



MOW 0

Wandelaar

WZbuoy

MOW 1

Blankenberge



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Sediment Transport Model for the Port of Zeebrugge

Sub report 1
Factual Data Report OD Nature tripod measurements
SonTek ADP, ADVOcean and OBS data

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Sediment Transport Model for the Port of Zeebrugge

Sub report 1-
Factual Data Report OD Nature tripod measurements:
SonTek ADP, ADVOcean and OBS data

De Maerschalck, B.; Nguyen, D.; Vanlede, J.; Mostaert, F.

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 D/2020/3241/119

This publication should be cited as follows:

De Maerschalck, B.; Nguyen, D.; Vanlede, J.; Mostaert, F. (2020). Sediment Transport Model for the Port of Zeebrugge: Sub report 1- Factual Data Report OD Nature tripod measurements: SonTek ADP, ADVOcean and OBS data. Version 5.0. FHR Reports, 00_067_1. Flanders Hydraulics Research & Antea Group: Antwerp.
 4245913003/TDN

Reproduction of and reference to this publication is authorised provided the source is acknowledged correctly.

Document identification

Customer:	Afdeling Maritieme Toegang (aMT)	Ref.:	WL2020R00_067_1
Keywords (3-5):	OD Nature Tripod Measurements, Blankenberge, MOW1, WZbuoy, SPM		
Knowledge domains	Hydraulics and sediment > Sediment > Cohesive sediment > In-situ measurements		
Text (p.):	18	Appendices (p.):	339
Confidentiality:	<input checked="" type="checkbox"/> Yes	Released as from:	01/01/2025
		Exception:	<input checked="" type="checkbox"/> The Government of Flanders

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Reviser(s):	Vanlede, J.	Getekend door: Joris Vanlede (Signature) Getekend op: 2021-02-01 11:17:54 +01:0 Reden: Ik keur dit document goed 
Project leader:	Vanlede, J.	Getekend door: Joris Vanlede (Signature) Getekend op: 2021-02-01 11:18:52 +01:0 Reden: Ik keur dit document goed 

Approval

Head of Division:	Mostaert, F.	Getekend door: Frank Mostaert (Signature) Getekend op: 2021-02-01 09:34:24 +01:0 Reden: Ik keur dit document goed 
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Abstract

This document gives an overview of the OBS, ADP and ADVOcean data from the OD Nature Tripod deployments in the period 2005 - 2013. The presented data is available at Flanders Hydraulic Research, and is analysed in the framework of the project 00_067: Sediment transport model for the port of Zeebrugge.

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1 Introduction

With the initiation of project 00_067, Flanders Hydraulics Research (FHR) aims at the development of a detailed mud transport model for the Port of Zeebrugge and its environment. In the preparation of the calibration and validation phase of the model development, FHR collected all available flow and sediment data of recent measurement campaigns inside and around the port of Zeebrugge (De Maerschalck & Vanlede, 2011; Fettweis et al., 2014). Through a statistical analysis of this data a set of parameters will be derived which will be used for model calibration and validation.

One of the major resources in terms of current velocity and suspended sediment measurements along the Belgian coastal zone is the OD Nature¹ tripod data, gathered within the framework of the MOMO² project (e.g. Fettweis et al., 2011, 2014). Regarding data exchange and cooperation within the field of sediment research, a meeting took place between OD Nature (Michael Fettweis and Fritz Francken) and FHR (Bart De Maerschalck) on September 28, 2011. During this meeting the data of the ADVOcean velocity sensor and two OBS sensors was transferred to FHR in ASCII text format. ADP data and some more additional ADVOcean and OBS data was already available in binary format at Flanders Hydraulics Research.

In April 2017, OD Nature provided FHR with more recent ADP, ADVOcean and OBS data. This data has been stored according to year in ASCII files. For the evaluation of the data per deployment, the yearly data sets are split into individual deployment data.

This document gives an overview of all OD Nature tripod data available at Flanders Hydraulics Research during the period 2005-2013. All visualized data is available at FHR as Matlab data files and ready for use for model calibration, validation and other analyses.

The Tripod deployments at the locations Blighbank and Gootebank were carried out by OD Nature in the framework of BELWIND. This data is confidential and cannot be used nor distributed or published without the permission of OD Nature.

¹ OD Nature: Operational Directorate Natural Environment, Royal Belgian Institute of Natural Sciences (previously known as MUMM - Management Unit of the North Sea Mathematical Models and the Scheldt Estuary)

² MOMO: Monitoring and Measuring fine sediment transport and the evaluation of the effects of dredging and dumping on the marine ecosystem

2 OD Nature Tripod measurement device and locations

In order to be able to measure continuously for at least one complete spring-neap tidal cycle, close to the bottom and weather independent, OD Nature disposes of two tripods. In general the tripods are equipped with a LISST-100x, a SonTek 3 MHz ADP Acoustic Doppler Profiler, a SonTek 5 MHz ADVOcean Acoustic Doppler Velocimeter, a Sea-Bird SBE37 CT measurement system and two OBS sensors. Two SonTek Hydra systems are used for data acquisition and battery power. Figure 1 shows the fully equipped tripod.

The SonTek ADP is mounted on top of the tripod and looks downwards. It measures the velocity profile from the bottom till the sensor height at about 2mab (meters above the bottom). The SonTek ADVOcean, also referred as ADV, is mounted at about 40cm above the bottom and measures the velocity at a height of about 20cm above the bottom. Two OBS sensors are coupled to the ADV: one at about 30cm above the bottom and one at about 2.3mab. The exact height of the sensors may vary between the campaigns, see Table 3 to Table 6 for the reported sensor heights.

The signal of the OBS sensors is logged by the data logger of the ADV. Afterwards this OBS signal is processed to turbidity levels, expressed in FTU. The calibration is based on laboratory tests. Finally the turbidity levels are converted by OD Nature to volume sediment concentrations in mg/l. The correlation is based on in situ water samples taken with a Niskin Carrousel as shown in Figure 2. The samples are taken during at most one tidal cycle. Based on these available samples a correlation coefficient between turbidity and sediment concentrations is determined.

Frequent anchor positions of the tripod are MOW1, Blankenberge and WZbuoy and few measurement campaigns have been conducted at MOW0, Blighbank and Gootebank (see Figure 3 for the location). See De Maerschack & Vanlede (2011) for an overview of the measurement campaigns during the period 2005-2010.

Table 3 till Table 8 (Appendix A) give an overview of the available OBS, ADV and ADP data for Blankenberge, MOW1, WZbuoy, MOW0, Blighbank and Gootebank during the period 2005-2013. For completeness, Table 6 presents the data for MOW0. However, the available data for MOW0 is restricted to one deployment during which the ADVOcean was heavily damaged. Therefore neither ADV nor OBS data could be recuperated.

All data listed the tables are available at Flanders Hydraulics Research in Matlab format.

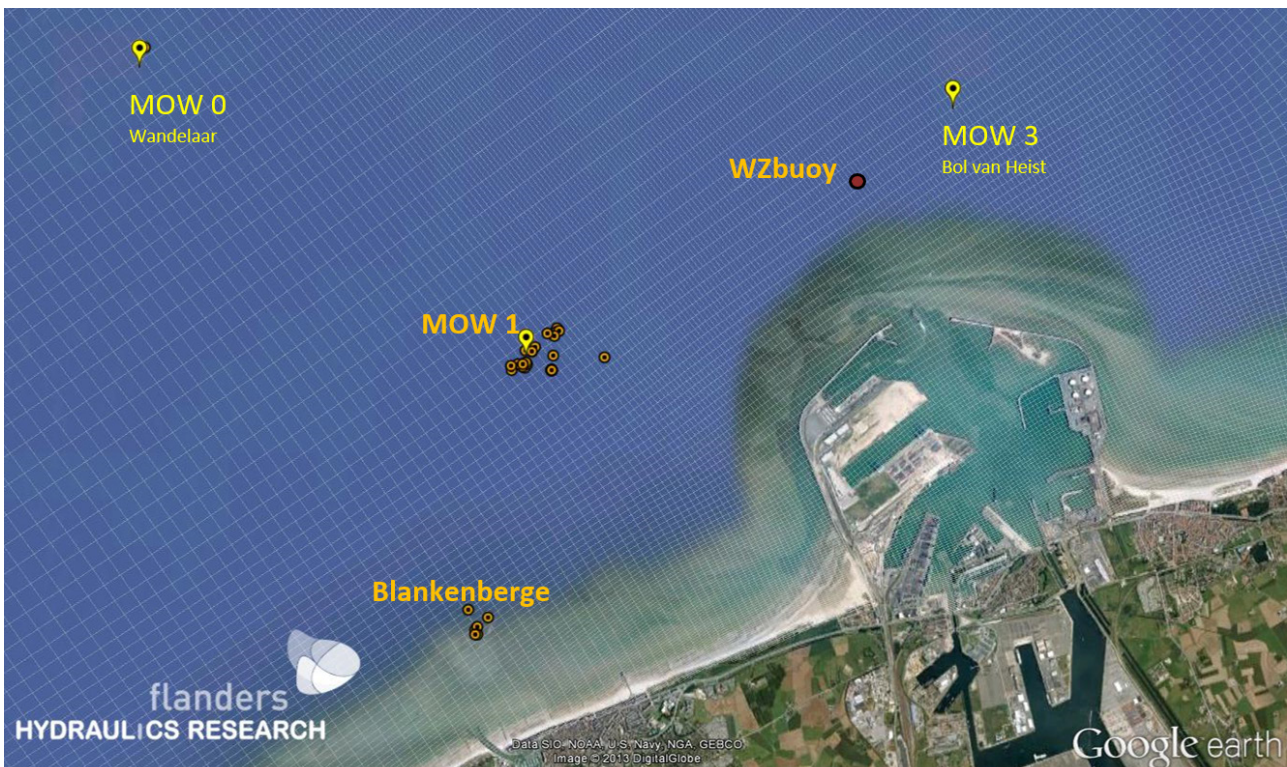
Figure 1 - Lowering of the tripod from the RV Belgica (left), equipment of the tripod (right)



Figure 2 - Niskin Carrousel (left), SonTek ADVOcean sensor (middle) and SonTek ADP (right)



Figure 3 - Location of the OD Nature Tripod deployments (orange dots) and Meetnet Vlaamse Banken (MVB) measurement pylons (yellow markers). Upper: all measurement locations; lower: zoom to locations close to the Zeebrugge port



3 ADP velocity data

Appendix A gives an overview of the available ADP data at the locations Blankenberge, MOW1, WZbuoy and MOW0. The sample interval for the ADP velocity data received in 2011 is one minute. The data received in the year 2017 was stored at 15-minute intervals. These data sets contain the data for Blankenberge which was already present at FHR, but with one more campaign available. Comparison of the data shows the same values of northward and eastward current velocities. The additional campaign is added in the analysis.

The ADP velocities presented in this report are profile-averaged velocities, except in the ensemble plots (see below for explanation), for which the ADP velocities at the highest bin (positioned at ~1.9mab) are employed. This height is the one closest to the height where SPM concentrations are measured (~2.3mab).

The profile-averaged velocities are calculated from the velocities measured at cells from the bottom to about 2mab. In several data sets received in 2017, the ADP velocities close to the bottom (up to the height of 0.85-1m) show noisy patterns and are, therefore, eliminated from the calculation of the profile-averaged velocity.

For each data set five figures are plotted:

- The first one is the tidal ellipse. The red dots is the scatter plot of all velocity vectors. The blue line is reconstructed tidal current based on n tidal constituents: First the amplitudes and phases for the tidal constituents are computed using classic tidal harmonic analysis (Pawlowicz et al., 2002). Once the amplitudes of the major and minor axes and the phases for the different constituents are defined, the velocity vector components are computed and plotted. Therefore, the blue line in the plots is the part of the current that can be explained by astronomical forcing. The main tidal constituent is the M2 constituent. For comparison, the M2 ellipse is added to the plot.
- The second plot presents the velocity components in the north and east direction (u, v).
- In the third plot the velocity is decomposed along the estimated major and minor axes (see Appendix B.1 for the explanation). The major axis is the direction which the velocities are largest and thus is the dominating direction for the sediment fluxes.
- The fourth figure presents the histogram of the major direction estimated using a bootstrap method (see below for the method). Typically, one would expect to see one peak in the histogram, corresponding with the dominant flow direction being invariant over different deployments. Multiple peaks in such a histogram (e.g. Figure 25) can indicate possible issues with the deployment, e.g. a small displacement of the measurement rig during a storm, or a collision with a vessel.
- The fifth one is the ensemble plot which shows the tidal variability of the assembled neap, normal and spring tides. The signal of the pressure sensor mounted on the tripod (\approx the local water depth) is used to split the time series into discrete tidal cycles which are defined as the time span between two consecutive low water moments. Each tidal cycle is then classified as a neap, normal or spring tide depending on the corresponding tidal range at Vlissingen (source: Hydro Meteo Centrum Zeeland, www.hmcz.nl). Then all neap, normal and spring tides are assembled together to construct an ensemble average for the neap, normal and spring tides. The neap, normal or spring tidal classification is determined using the 33rd and 66th percentiles of the tidal range at Vlissingen based on the water level measurements over the 10-year period (2004-2013):
 - Neap tide: tidal range ≤ 3.54 m (P33)
 - Normal tide: $3.54\text{m (P33)} < \text{tidal range} \leq 4.11\text{m (P66)}$
 - Spring tide: tidal range $> 4.11\text{m (P66)}$

Since the local pressure (or water depth) signal is used to determine the high/low water moments for the construction the ensembles, only the velocity data from the tripod deployments for which pressure/depth data is available could be used to construct the ensembles. Some deployments that only profile-averaged velocity is available in VIMM data block or the measurement period with valid data is not long enough to plot the ensemble are also excluded (see Table 3 till Table 8 in Appendix A for details).

When comparing the tidal ellipses for the different deployments at one measurement location, it is noticed that the estimated directions of the major axis might differ between different deployments, ranging from 52° to 76° for Blankenberge, 51° to 85° for MOW1, and 48° to 80° for WZbuoy. Table 9 to Table 14 list the estimated major direction for each campaign at Blankenberge, MOW1, WZbuoy, Blighbank and Gootebank.

The means and standard deviations in Table 9 till Table 14 are obtained by applying a bootstrap analysis for each deployment data set. Bootstrapping is a resampling method, where in this case the estimation of the major direction is repeated for a large number of randomly selected subsets of the data of the tripod deployment. The only restriction here is that the subsets must consist of a natural number of consecutive tidal cycles. The results of the bootstrapping are the histograms in Appendix D, where for each bootstrap 2500 subsamples are used. By fitting a normal distribution through the probability density a mean and standard deviation can be computed. Notice that in general the standard deviation is small compared to the difference in mean direction between the different deployments. Therefore, it is assumed that a deviation of the major direction between the different deployment is a measurement equipment issue.

Figure 4, Figure 5 and Figure 6 show the scatter plots of all assembled data of all tripod deployments for the three frequently measured locations MOW1, Blankenberge and WZbuoy. Notice that the estimated major direction is 66° for MOW1 and 59° for Blankenberge and 64° for WZbuoy, which is more or less the direction of the coastline. However, when conducting the bootstrap analysis for the assembled data, multiple peaks in the probability density can be seen (Figure 7, Figure 8, Figure 9), which coincide with the major directions of the different deployments. The combined histograms were built by taking the weighted sum over the different deployments.

By applying tidal harmonic analysis to velocity data (Pawlowicz et al., 2002) amplitudes and phase lags are estimated for the tidal components along the minor and major axes. Since the direction of the major and minor axes might be affected by the calibration of the compass, it might be advised to apply the tidal harmonic analysis for the individual deployments and assemble the tidal constituents afterwards, rather than applying the harmonic analyses directly to the assembled data set. The direction and 95% confidence intervals for the M2 major axis are presented in Table 9 to Table 14.

Figure 4 - Assembled Tripod deployment MOW1 - ADP (34 campaigns: Feb 2006 – Dec 2013) - UV-diagram
[m/s] at ~1.2m (profile-averaged)

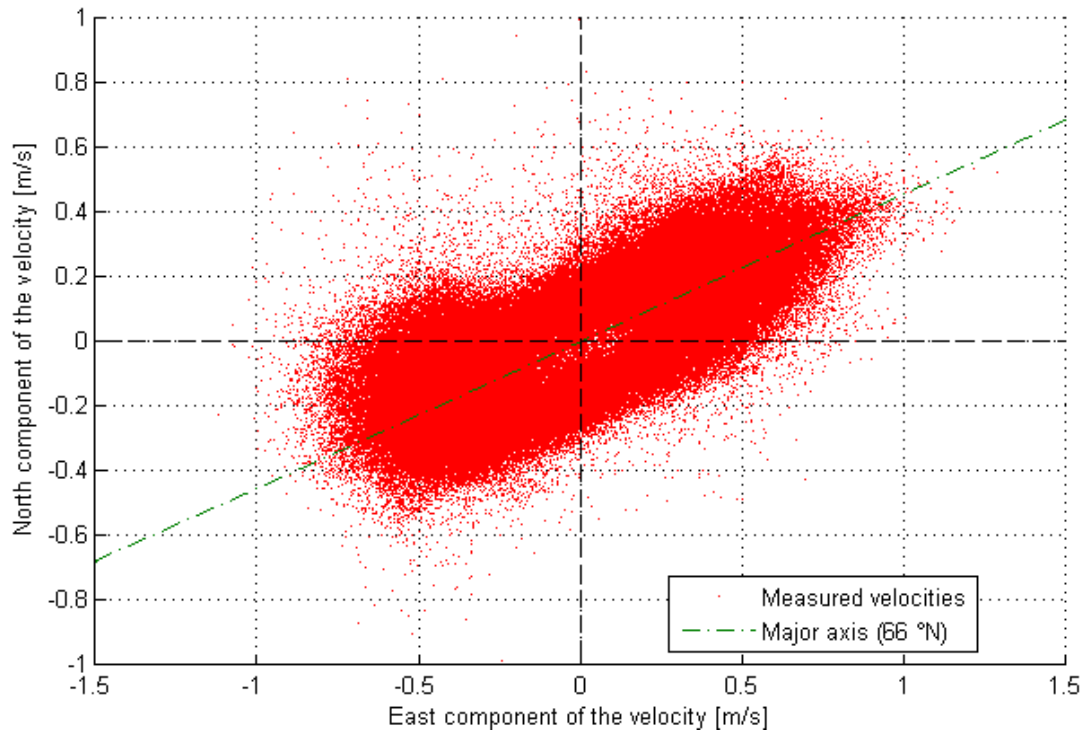


Figure 5 - Assembled Tripod deployment Blankenberge - ADP (6 campaigns: Nov 2006 - Jun 2009) - UV-diagram
[m/s] at ~1.2m (profile-averaged)

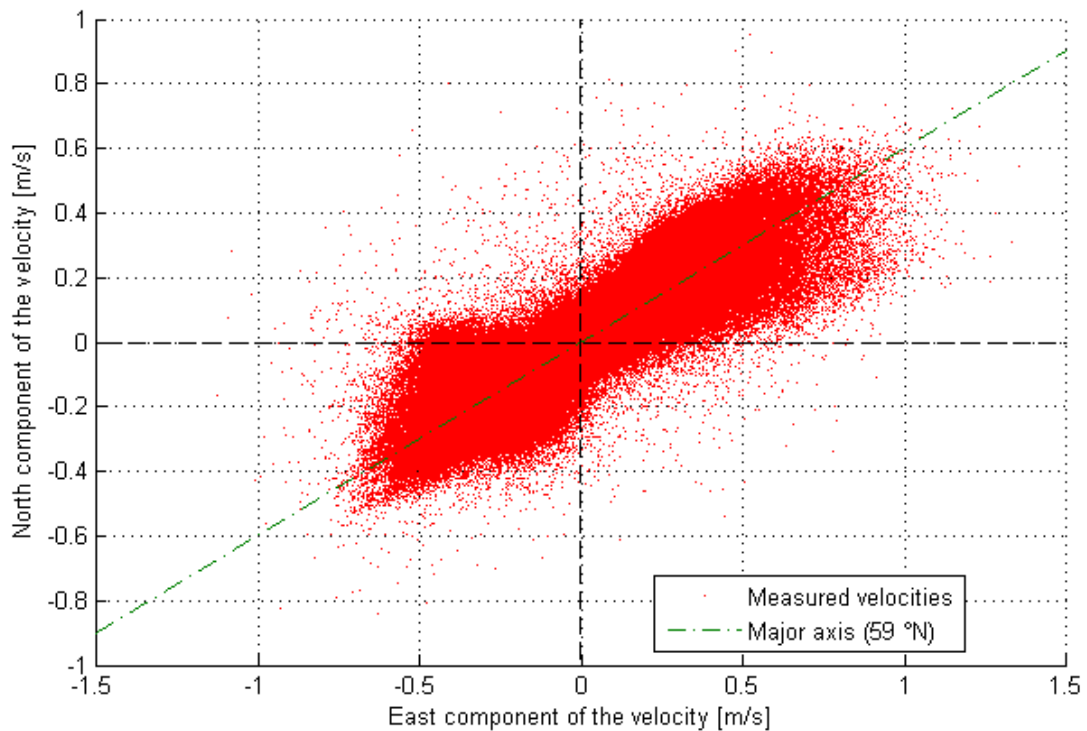


Figure 6 - Assembled Tripod deployment WZbuoy - ADP (5 campaigns, Mar 2013 - Nov 2013) - UV-diagram
[m/s] at ~1.2m (profile-averaged)

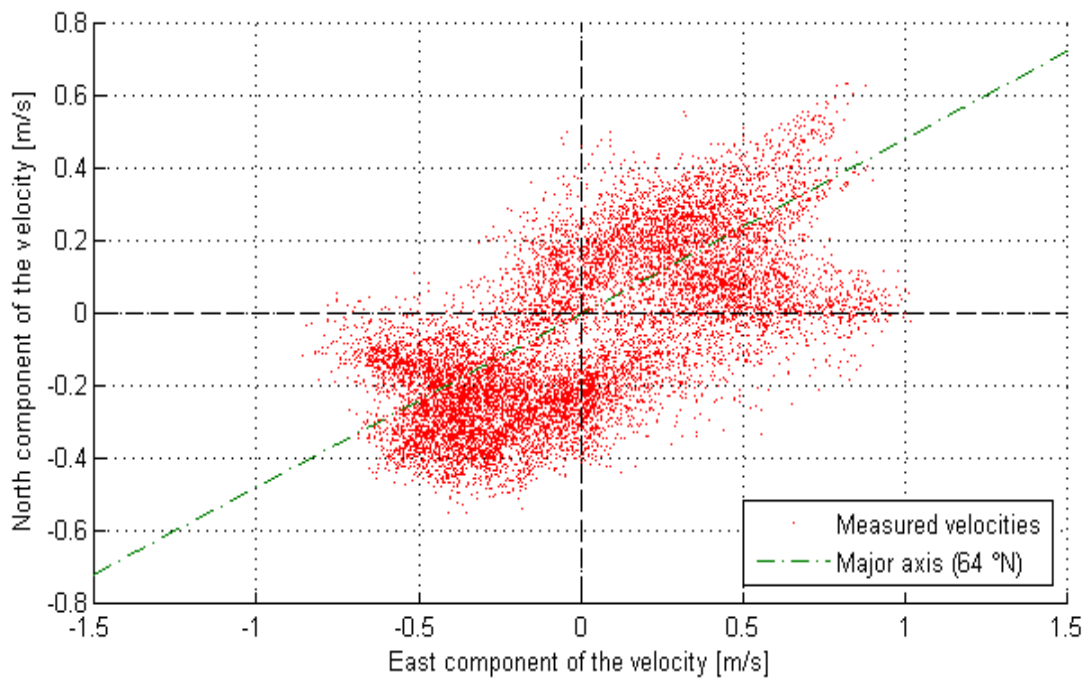


Figure 7 - Assembled Tripod deployment MOW1 - ADP (34 campaigns: Feb 2006 – Dec 2013) - Probability density of major axis
direction (85.000 bootstrap samples)

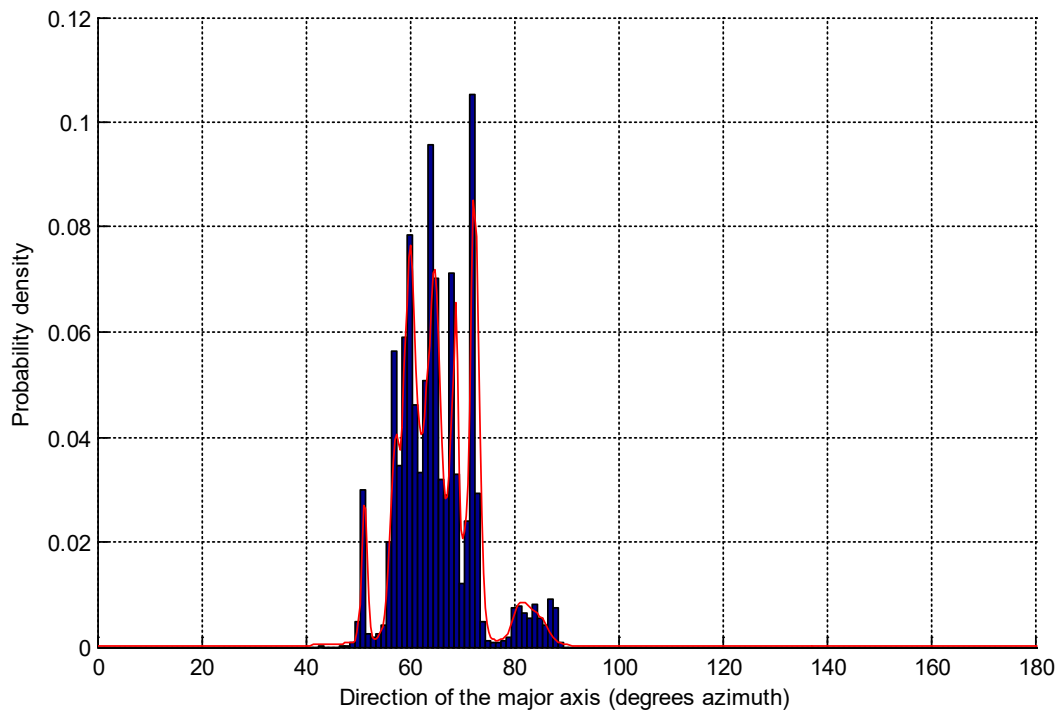


Figure 8 - Assembled Tripod deployment Blankenberge - ADP (6 campaigns: Nov 2006 - Jun 2009) - Probability density of major axis direction (15.000 bootstrap samples)

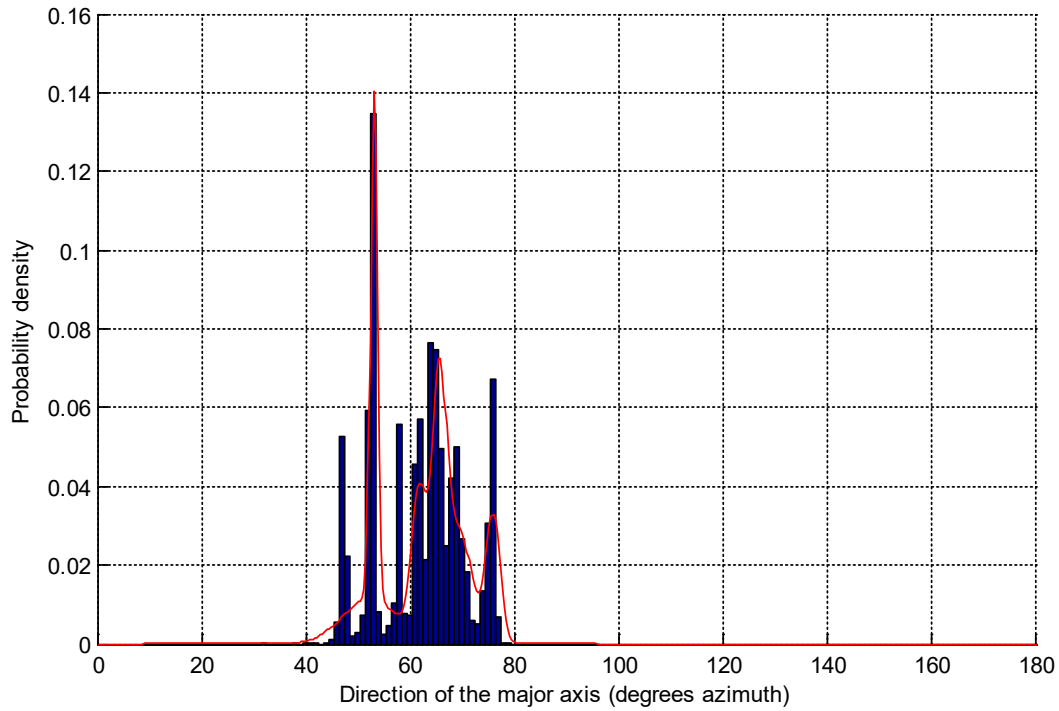
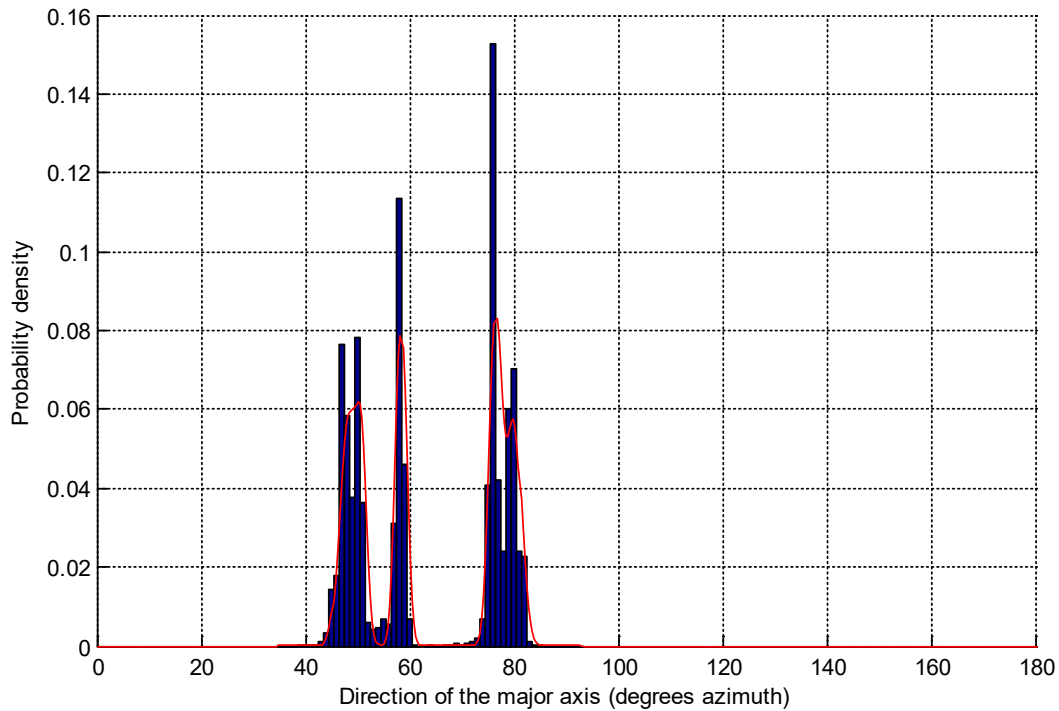


Figure 9 - Assembled Tripod deployment WZbuoy - ADP (5 campaigns, Mar 2013 - Nov 2013) - Probability density of major axis direction (12.500 bootstrap samples)



4 ADV velocity data

In Appendix E, the data of the ADV measurements at Blankenberge, MOW1, WZbuoy, Blighbank and Gootebank is visualized in the same way done for ADP data in previous section. No ADV data for MOW0 is available because the ADVOcean was seriously damaged during the deployment at MOW0. The sample intervals for the ADV data are not the same for all deployments (see Table 1). In general the sample intervals for the ADVOcean measurements are 10 minutes, except for the deployments listed in Table 1. All data for the locations MOW1 and WZbuoy for the period 2009-2013 (received in 2017) was processed and stored at 15-minute intervals.

Table 1 - Sample intervals for the ADV data of the Tripod deployments

Tripod deployment		Location	Δt [min]
Start	End		
07/02/2005	08/02/2005	MOW1	2.5
04/04/2005	15/04/2005	MOW1	0.2
22/06/2005	11/07/2005	MOW1	0.2
21/11/2005	05/12/2005	MOW1	30
13/02/2006	27/02/2006	MOW1	5
27/03/2006	18/04/2006	MOW1	-
15/05/2006	15/06/2006	MOW1	5
24/06/2009	14/07/2009	Blighbank	1
Deployments 2009-2013		MOW1	15 (processed)
Deployments 2013		WZbuoy	15 (processed)
Others			10

The estimated major direction and the standard deviation of the major direction for each deployment are presented in Table 9 till Table 14 (Appendix B).

Figure 10 to Figure 14 show the scatter plots of all assembled ADV data. The probability density of the major direction for all data sets is presented in Figure 15 till Figure 19. The different peaks coincide with different measurement campaigns.

Figure 10 - Assembled Tripod deployments MOW1 - ADV (43 campaigns, Feb 2005 - Dec 2013) - UV-diagram
[m/s] at ~0.2m

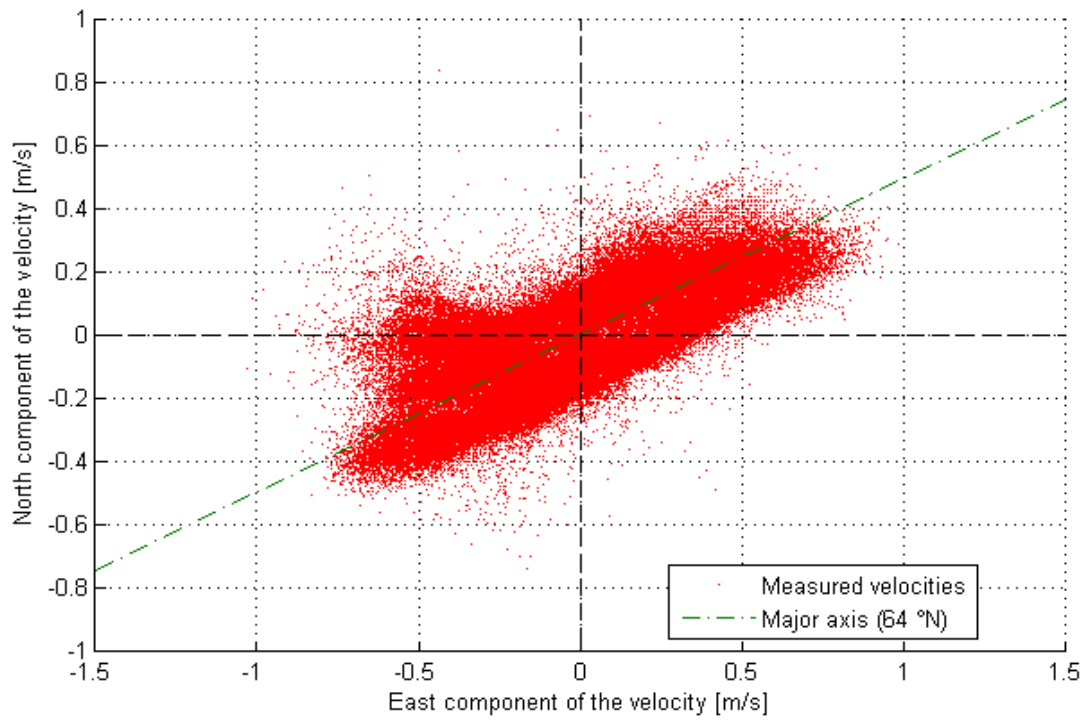


Figure 11 - Assembled Tripod deployments Blankenberge - ADV (6 campaigns, Nov 2006 - Jun 2009) - UV-diagram
[m/s] at ~0.2m

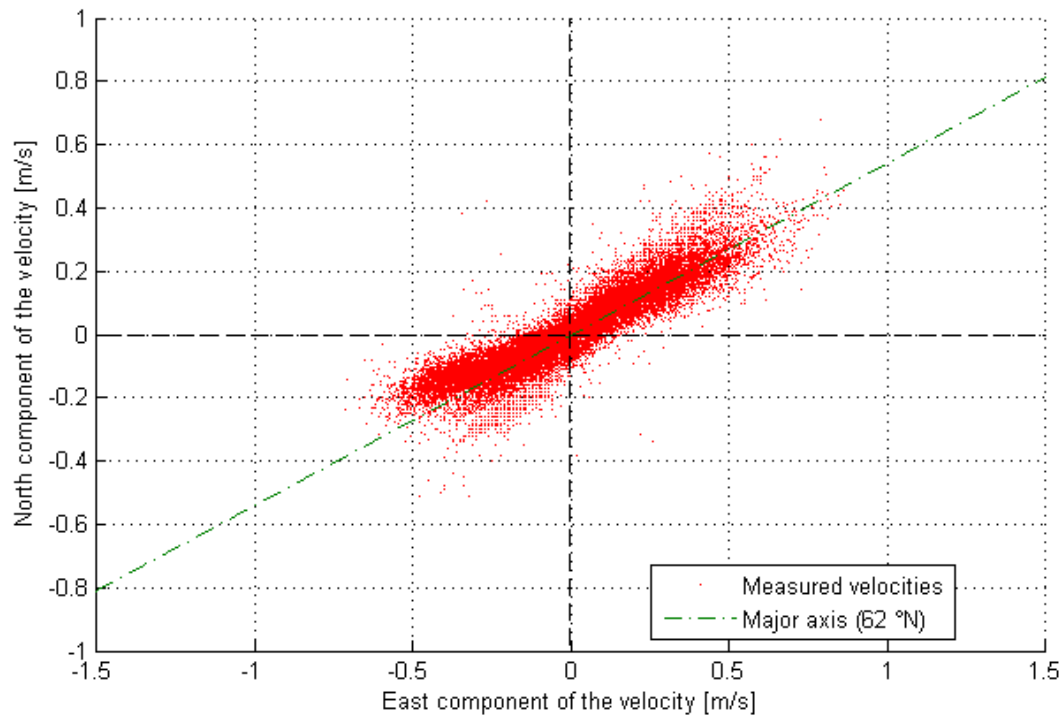


Figure 12 - Assembled Tripod deployments WZbuoy- ADV (10 campaigns, Mar 2013 - Dec 2013) - UV-diagram
[m/s] at ~0.20m

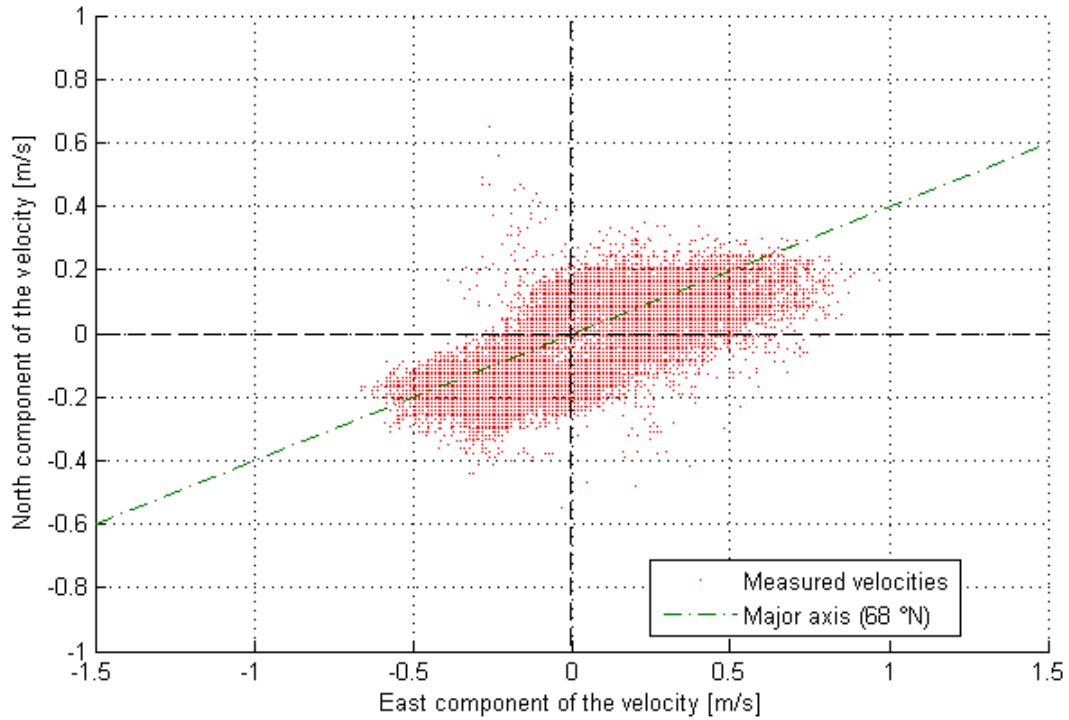


Figure 13 - Assembled Tripod deployments Blighbank - ADV (2 campaigns, Jun 2009 - Jun 2010) - UV-diagram
[m/s] at ~0.2m

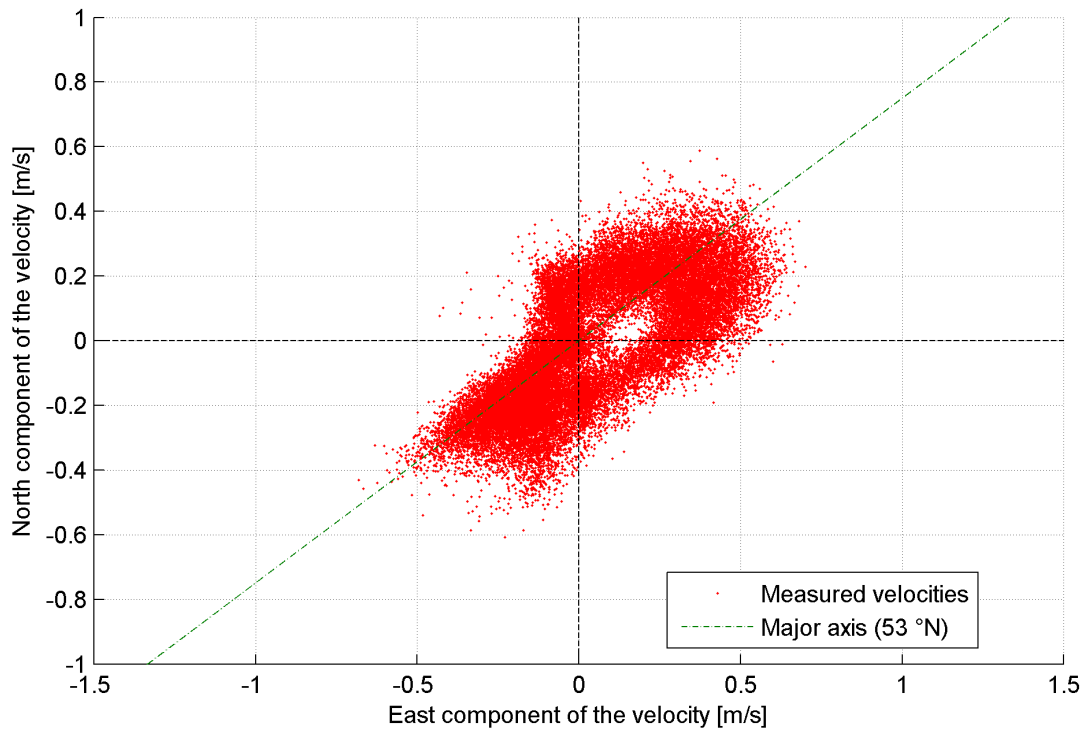


Figure 14 - Assembled Tripod deployment Gootebank – ADV (2 campaigns, Jun 2009 - Dec 2009) - UV-diagram
[m/s] at ~0.2m

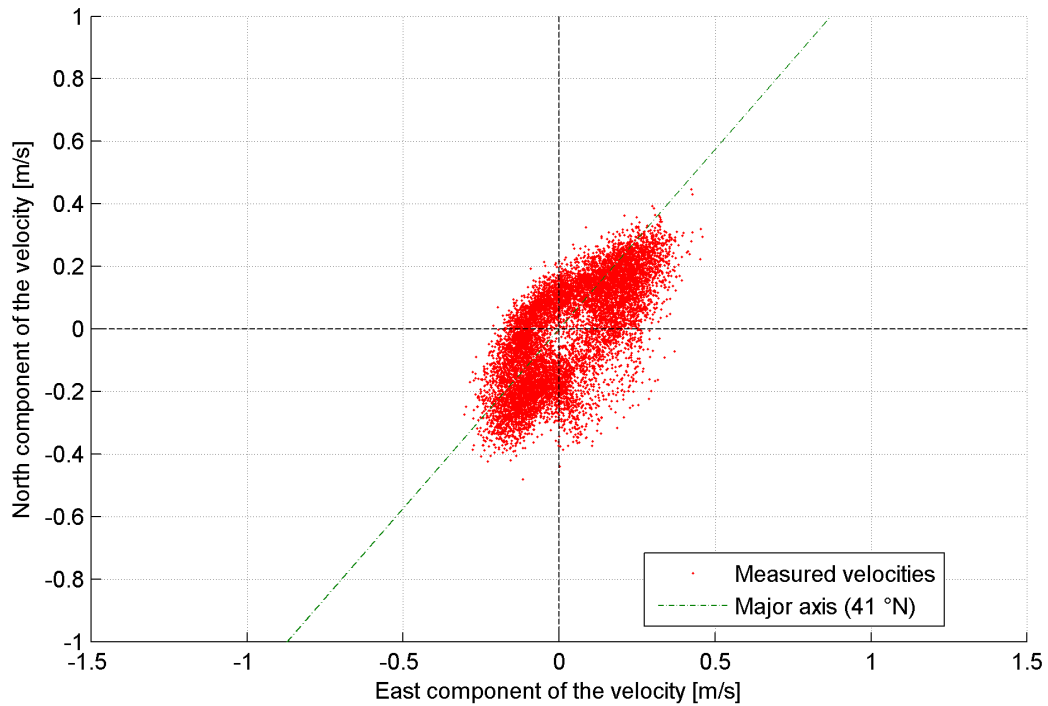


Figure 15 - Assembled Tripod deployments MOW1 - ADV (43 campaigns, Feb 2005 - Dec 2013) - Probability density of major axis
direction (107.500 bootstrap samples)

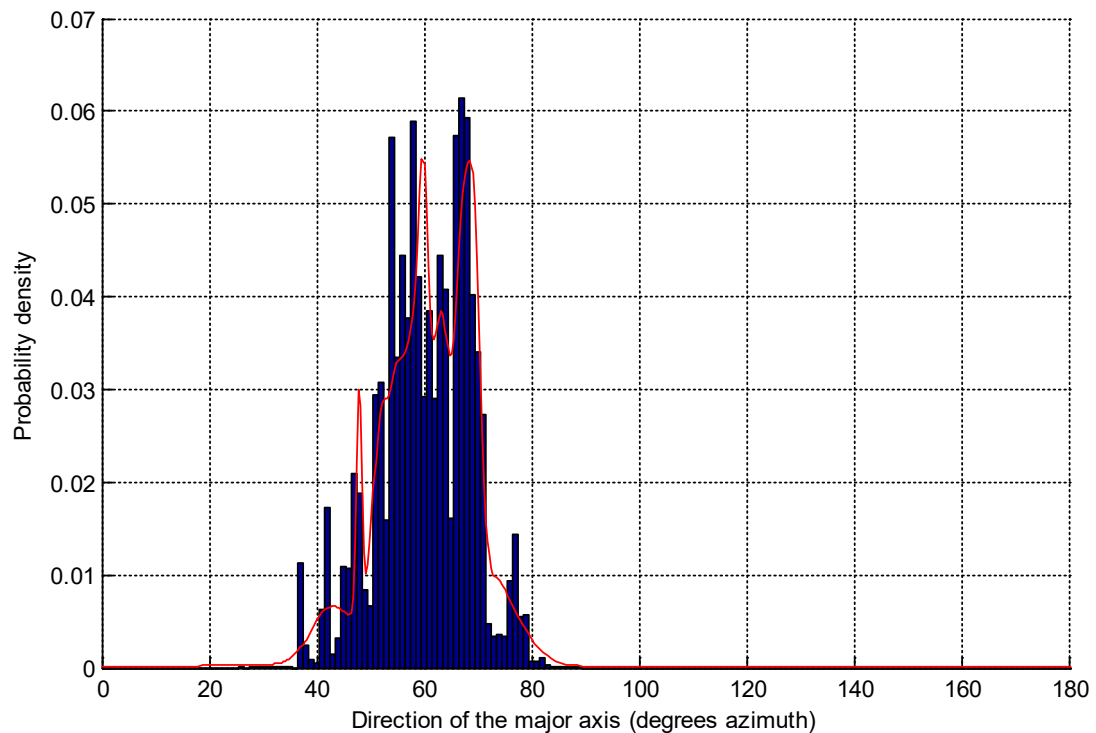


Figure 16 - Assembled Tripod deployments Blankenberge - ADV (6 campaigns, Nov 2006 - Jun 2009) - Probability density of major axis direction (15.000 samples)

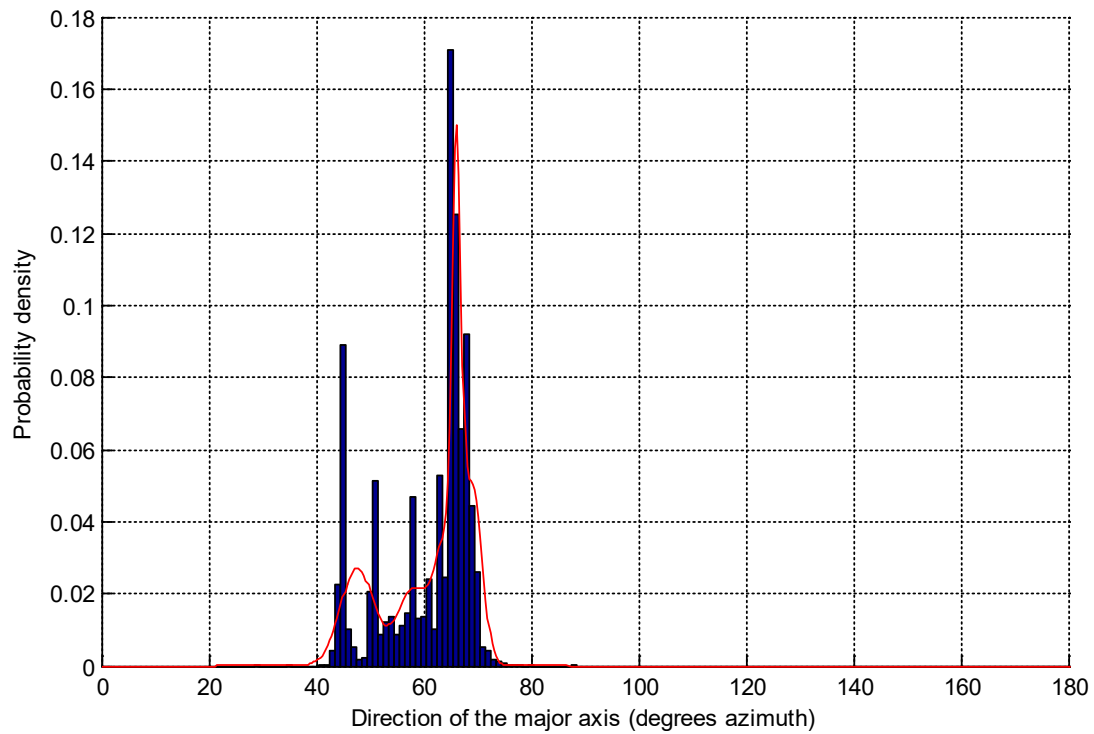


Figure 17 - Assembled Tripod deployments WZbuoy - ADV (10 campaigns, Mar 2013 - Dec 2013) - Probability density of major axis direction (25.000 samples)

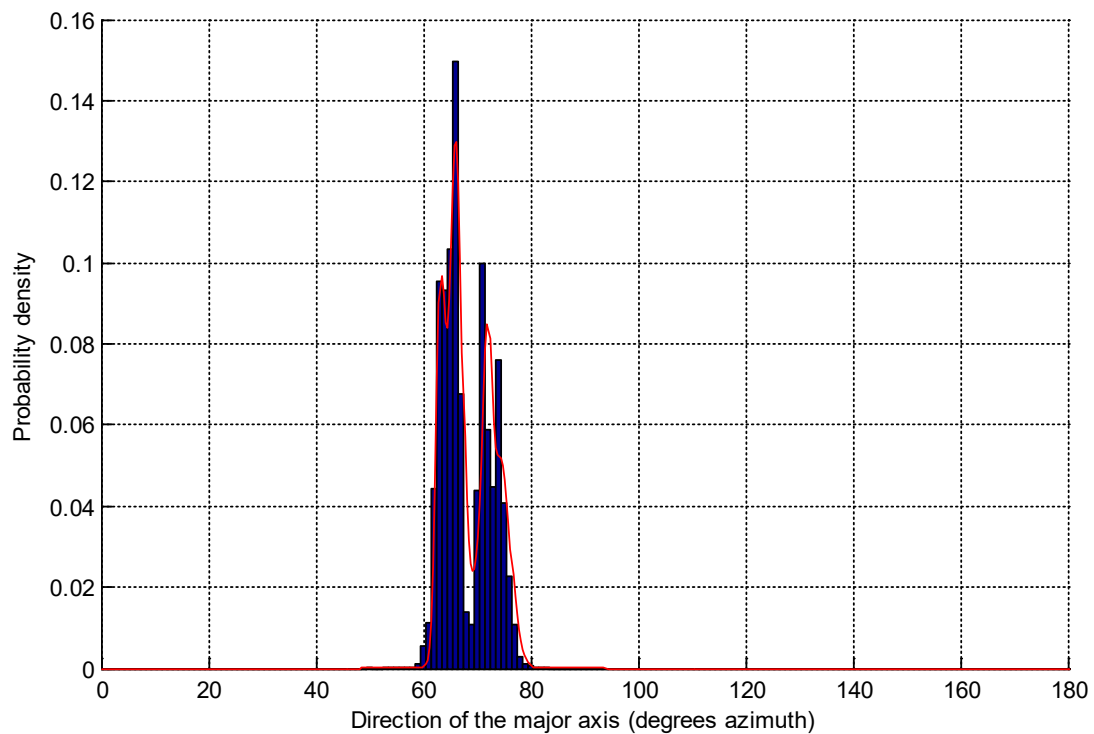


Figure 18 - Assembled Tripod deployments Blighbank - ADV (2 campaigns, Jun 2009 - Jun 2010) - Probability density of major axis direction (5.000 samples)

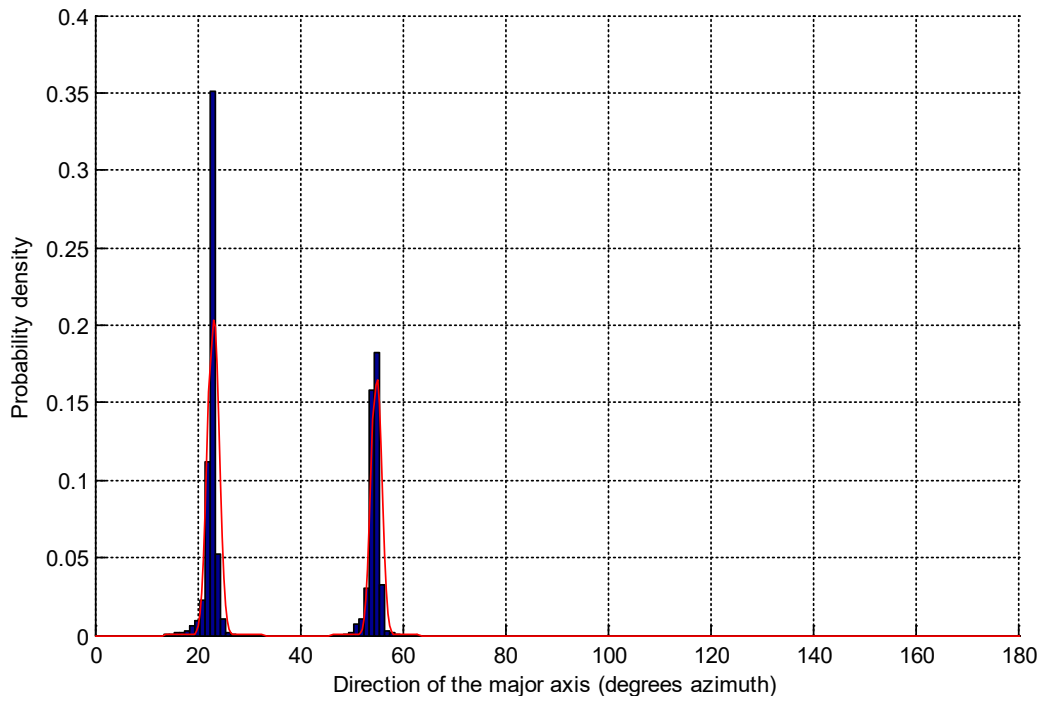
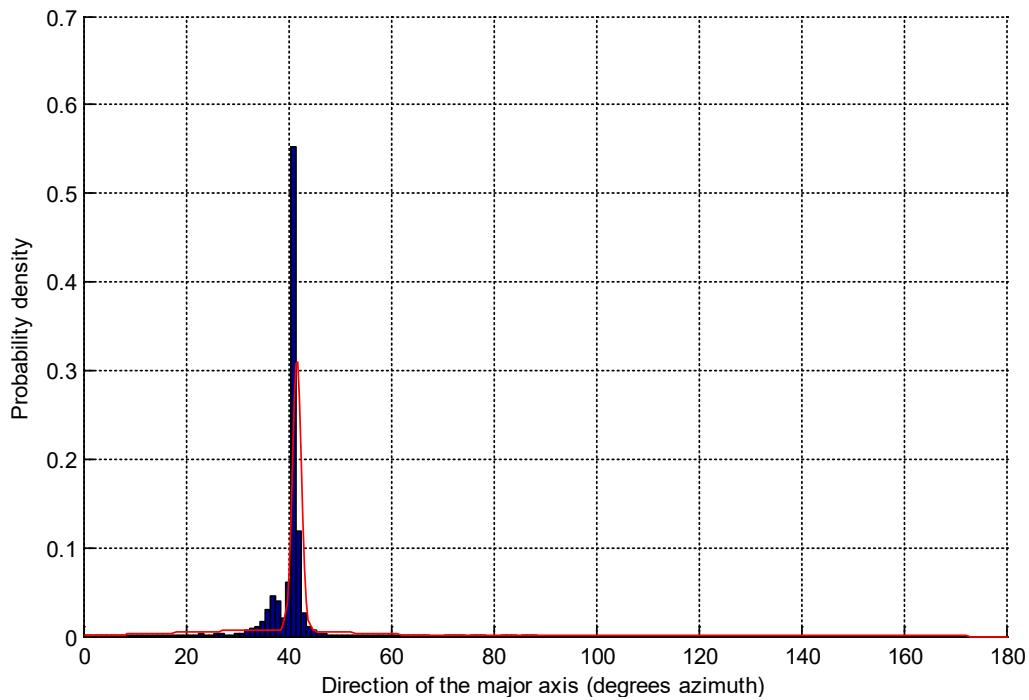


Figure 19 - Assembled Tripod deployment Gootebank – ADV (2 campaigns, Jun 2009 - Dec 2009) - Probability density of major axis direction (5.000 samples)



5 OBS Suspended Particle Matter (SPM) data

The suspended particle matter data for the Tripod deployments at MOW1, Blankenberge, WZbuoy, Blighbank and Gootebank is visualized in Appendix F. As a reference, the measured pressure or depth is plotted as well (pressure in dbar \approx water depth in m). The third type of graph in Appendix F represents the vertical mixing expressed in Rouse number Ro (see Appendix C for details). A high value of Ro leads to a high concentration gradient over the water column. In contrast, a smaller Ro corresponds a higher homogeneity of suspended sediment over the water depth. The water column is perfectly mixed when Ro approaches zero. A negative Ro would imply an inverse. The SPM data and Rouse number is also assembled and plotted according to neap, normal and spring tides in the same way as for the velocity measurements in §3 and §4 but the median and 10th-90th percentile band are plotted instead of mean and standard deviation.

There is no SPM data available for MOW0 because the ADVOcean, to which the OBS sensors were connected, was seriously damaged during the deployment near MOW0.

The standard sample interval for the SPM data is 10 minutes, except for those deployments at MOW1 listed in Table 2. All data for the period 2009-2013 (received in 2017) was processed and stored at 15-minute intervals.

Table 2 - Sample intervals for the SPM data of the Tripod deployments

Tripod deployment		Location	Δt [min]
Start	End		
7/02/2005	8/02/2005	MOW1	2.5
4/04/2005	15/04/2005	MOW1	0.2
22/06/2005	11/07/2005	MOW1	0.2
21/11/2005	5/12/2005	MOW1	30
13/02/2006	27/02/2006	MOW1	5
27/03/2006	18/04/2006	MOW1	5
15/05/2006	15/06/2006	MOW1	5
Deployments 2009-2013		MOW1	15 (processed)
Deployments 2013		WZbuoy	15 (processed)
Others			10

Remarks on the data (see also remarks in Table 3 to Table 5 in Appendix A):

- MOW1 - 04/04/2005 - 10/04/2005
 - Over range on the lower OBS sensor (0-500FTU) removed
- MOW1 - 22/11/2005 - 05/12/2005
 - Storm event on 25/11/2005
- MOW1 - 27/03/2006 - 18/04/2006
 - Tripod tilted from the beginning of the deployment
 - Corrected OBS heights: 65 and 95 cm!!
 - No velocity data available for this deployment
- MOW1 10/07/2007 - 19/07/2007
 - Sensor 2 mounted at 130cm!

- MOW1: 09/02/2009 - 19/03/2009
 - Concentrations SPM1 regularly over ranged
- MOW1: 26/03/2009 - 29/04/2009
 - SPM1 concentrations incorrect after 19/04/2009
- Blankenberge: 15/04/2008 - 05/06/2008
 - SPM1 concentration incorrect after 05/05/2008 due to algae growth (tabularia larynx)
- Blankenberge 4/05/2009 - 15/06/2009
 - Dredging experiment Albert II dock

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Fettweis, M.; Baeye, M.; Francken, F.; Van den Eynde, D. (2014). *Monitoring en modellering van het cohesieve sedimenttransport en evaluatie van de effecten op het mariene ecosysteem ten gevolge van bagger- en stortoperatie (MOMO): activiteitsrapport (1 juli 2010 - 31 december 2010)*. MUMM: Brussel

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Appendix A OD Nature tripod data available at Flanders Hydraulics

Table 3 - Available data and sensor heights for the OD Nature deployments at Blankenberge

Tripod deployment			Data available [days]				Height of the sensors [cm]				
Start	End		OBS	ADV	ADP	Depth/ Pressure	OBS ₁	OBS ₂	ADV	ADP	
Nov. 2006	08/11/2006	15/12/2006	36.7	36.7	36.7	36.7	202	17	20	233	
Dec. 2006	18/12/2006	07/02/2007	51.1	51.1	51.1	51.1	26	216	20	228	
Jan. 2008	28/01/2008	25/02/2008	26.8	26.8	26.9	26.8	-	-	-	-	a,e
Mar. 2008	06/03/2008	10/04/2008	32.5	32.5	32.5	32.5	-	-	-	-	a,b
Apr. 2008	15/04/2008	05/06/2008	51.0	50.9	51.0	51.0	29	234	18	224	c
May 2009	04/05/2009	15/06/2009	41.9	41.8	41.9	41.9	26	216	20	228	d
Total:			240	240	240						

Remarks: a - Heights of the sensors not reported; b - Tripod tilted during deployment; c - Algae growth on the sensors; d - Dredging experiment Albert II dock; e – ADV measurements significantly lower than other deployments (sensor position?)

Table 4 - Available data and sensor heights for the OD Nature deployments at MOW1

Tripod deployment			Data available [days]				Height of the sensor [cm]				Remarks
	Start	End	OBS	ADV	ADP	Depth/ Pressure	OBS ₁	OBS ₂	ADV	ADP	
Feb. 2005	07/02/2005	08/02/2005	0.8	0.8	-	0.8	27	202	43	218	
Apr. 2005	04/04/2005	15/04/2005	2.9	5.5	-	2.9	27	202	23	218	
Jun. 2005	22/06/2005	11/07/2005	5.5	5.5	-	5.5	27	202	43	218	
Nov. 2005	21/11/2005	05/12/2005	13.0	13.2	-	13.0	28	186	30	218	
Feb. 2006	13/02/2006	27/02/2006	14.0	13.9	14.0	14.0	25	224	28	233	only profile-averaged ADP velocity available in VIMM data block
Mar. 2006	27/03/2006	18/04/2006	21.9	-	-	21.9	65	95	-	-	Tripod tilted during deployment; too low OBS sensors
May. 2006	15/05/2006	15/06/2006	31.0	30.9	31.0	31.0	20	202	17	233	noisy ADV in 06/2006; only profile-averaged ADP available in VIMM block
Jul. 2007	10/07/2007	19/07/2007	8.8	8.8	8.8	8.8	23	130	23	228	too low OBS ₂ sensor
Oct. 2007	23/10/2007	28/11/2007	35.9	35.9	35.9	35.9	26	236	15	226	only profile-averaged ADP velocity available in VIMM data block
Nov. 2008	17/11/2008	12/12/2008	24.7	-	24.8	16.6	26	220	18	223	only profile-averaged ADP velocity available in VIMM data block
Feb. 2009	09/02/2009	19/03/2009	37.8	37.8	37.8	16.4	29	234	18	228	
Mar. 2009	26/03/2009	29/04/2009	34.0	34.0	33.7	32.7	29	234	18	228	Algae growth on the sensors; strange ADP ensemble
Sep. 2009	10/09/2009	21/10/2009	2.1	2.1	34.0	-	29	234	18	228	
Nov. 2009	06/11/2009	08/12/2009	32.3	32.3	32.3	32.3	29	234	18	228	SPM ₁ (OBS ₁) and/or SPM ₂ (OBS ₂) data: timeshift?
Dec. 2009	11/12/2009	25/01/2010	45.3	44.9	45.3	45.3	29	234	18	228	SPM ₁ and/or SPM ₂ data: timeshift?; low SPM ₁ (OBS ₁)
Jan. 2010	25/01/2010	25/03/2010	58.8	58.8	58.8	58.8	29	234	18	228	SPM ₁ and/or SPM ₂ data: timeshift?, suspicious mag.
Mar. 2010	25/03/2010	20/05/2010	56.1	56.1	56.1	56.1	29	234	18	228	ADP velocity: suspicious mag., direction; timeshift?
May. 2010	20/05/2010	31/05/2010	-	11.1	11.1	11.1	29	234	18	228	
May. 2010	31/05/2010	23/07/2010	-	52.6	52.6	52.6	29	234	18	228	
Sep. 2010	06/09/2010	18/10/2010	-	41.9	41.9	41.9	29	234	18	228	ADP velocity: suspicious mag., dir. (v _{north} timeshift?)
Oct. 2010	18/10/2010	17/11/2010	21.4	21.4	29.9	21.4	29	234	18	228	
Nov. 2010	17/11/2010	15/12/2010	28.2	28.2	28.2	28.2	29	234	18	228	
Dec. 2010	15/12/2010	31/01/2011	-	23.8	16.3	23.8	29	234	18	228	
Jan. 2011	31/01/2011	21/03/2011	-	48.9	-	48.9	29	234	18	228	

Tripod deployment			Data available [days]				Height of the sensor [cm]				Remarks
	Start	End	OBS	ADV	ADP	Depth/ Pressure	OBS ₁	OBS ₂	ADV	ADP	
Mar. 2011	21/03/2011	24/03/2011	2.5	2.5	-	2.5	29	234	18	228	ADV velocity: suspicious direction, timeshift?
Mar. 2011	24/03/2011	29/04/2011	24.4	24.4	-	24.4	29	234	18	228	
Apr. 2011	29/04/2011	23/05/2011	24.2	24.2	24.2	24.2	29	234	18	228	OBS and ADP data: time shift?
May. 2011	23/05/2011	11/07/2011	26.9	26.9	26.9	26.9	29	234	18	228	
Jul. 2011	11/07/2011	18/08/2011	32.1	37.2	32.1	37.2	29	234	18	228	
Aug. 2011	18/08/2011	09/09/2011	21.8	21.7	21.7	21.7	29	234	18	228	ADP data: time shift?; suspicious SPM ₂ (OBS ₂)
Sep. 2011	09/09/2011	12/10/2011	33.3	33.3	33.3	33.3	29	234	18	228	
Oct. 2011	12/10/2011	24/11/2011	36.8	36.8	42.7	36.8	29	234	18	228	ADV velocity: timeshift?; ADP vel.: suspicious direction
Nov. 2011	24/11/2011	03/02/2012	55.3	55.4	55.3	38.0	29	234	18	228	SPM ₁ (OBS ₁) and/or SPM ₂ (OBS ₂): timeshift?; high proposition of time SPM ₂ > SPM ₁
Feb. 2012	24/02/2012	19/03/2012	23.9	23.9	24.2	23.9	29	234	18	228	ADP and ADV velocity: timeshift?
Mar. 2012	19/03/2012	25/04/2012	36.9	36.9	36.9	-	29	234	18	228	
Jun. 2012	29/06/2012	23/08/2012	41.9	55.2	55.1	-	29	234	18	228	
Dec. 2012	05/12/2012	01/01/2013	25.6	25.6	26.7	25.6	29	234	18	228	high proposition of time SPM ₂ (OBS ₂) > SPM ₁ (OBS ₁)
Jan. 2013	24/01/2013	07/03/2013	41.8	41.8	41.8	-	29	234	18	228	
Mar. 2013	07/03/2013	28/03/2013	21.2	21.2	21.2	21.2	29	234	18	228	SPM ₁ (OBS ₁) and/or SPM ₂ (OBS ₂) data: timeshift?
Mar. 2013	28/03/2013	22/04/2013	24.8	24.8	24.8	24.8	29	234	18	228	
Apr. 2013	22/04/2013	17/05/2013	24.8	24.8	24.8	-	29	234	18	228	
May. 2013	17/05/2013	27/06/2013	41.2	41.2	41.2	-	29	234	18	228	
Jun. 2013	27/06/2013	24/07/2013	26.9	26.9	26.9	-	29	234	18	228	
Jul. 2013	24/07/2013	21/08/2013	28.2	28.2	28.2	-	29	234	18	228	
Aug. 2013	21/08/2013	23/09/2013	26.8	26.8	32.8	26.8	29	234	18	228	
Sep. 2013	23/09/2013	16/10/2013	23.0	23.0	23.0	-	29	234	18	228	
Oct. 2013	16/10/2013	28/11/2013	27.0	27.0	42.9	27.0	29	234	18	228	
Nov. 2013	28/11/2013	09/12/2013	7.0	11.1	11.1	-	29	234	18	228	
Total:			1153	1309	1290						

Table 5 – Available data and sensor heights for the OD Nature deployments at WZbuoy

Tripod deployment			Data available [days]				Height of the sensors [cm]				
Start	End		OBS	ADV	ADP	Depth/ Pressure	OBS ₁	OBS ₂	ADV	ADP	
Mar. 2013	28/03/2013	23/04/2013	25.9	25.9	25.9	25.9	29	234	18	228	
Apr. 2013	25/04/2013	14/05/2013	19.1	19.1	15.2	19.1	29	234	18	228	f
Jun. 2013	10/06/2013	27/06/2013	17.2	17.3	-	17.2	29	234	18	228	
Jun. 2013	28/06/2013	24/07/2013	26.1	26.1	26.1	26.1	29	234	18	228	
Jul. 2013	29/07/2013	21/08/2013	17.4	17.4	18.0	17.4	29	234	18	228	f
Aug. 2013	23/08/2013	9/09/2013	17.1	17.1	-	17.1	29	234	18	228	
Sep. 2013	12/09/2013	14/10/2013	13.4	32.4	32.4	32.4	29	234	18	228	
Oct. 2013	15/10/2013	13/11/2013	-	26.9	29.0	26.9	29	234	18	228	
Nov. 2013	13/11/2013	26/11/2013	-	13.1	13.1	13.1	29	234	18	228	
Nov. 2013	27/11/2013	10/12/2013	-	12.7	-	12.7	29	234	18	228	
Total:			136	208	160						

Remarks: f – suspicious data

Table 6 - Available data and sensor heights for the OD Nature deployments at MOW0.

Remark: ADV was seriously damaged during deployment period: no OBS nor ADV data could be recuperated.

Tripod deployment			Data available (days)				Height of the sensors (cm)			
Start	End		OBS	ADV	ADP	Pressure	OBS ₁	OBS ₂	ADV	ADP
June 2008	23/06/2008	11/07/2008	-	-	18	-	26	228	19	227

Table 7 - Available data and sensor heights for the OD Nature deployments at Blighbank.

Remark: No reports available at FHR, Confidential data.

Tripod deployment			Data available [days]				Height of the sensors (cm)				
Start	End		OBS	ADV	ADP	Pressure	OBS ₁	OBS ₂	ADV	ADP	
June 2009	24/06/2009	14/07/2009	20.0	20.0	-	20.0	-	-	-	-	
May 2010	05/05/2010	01/06/2010	26.9	26.9	-	26.9	-	-	-	-	f
Total:			46.9	46.9							

Remarks: f – suspicious data

Table 8 - Available data and sensor heights for the OD Nature deployments at Gootebank.

Remark: No reports available at FHR, Confidential data.

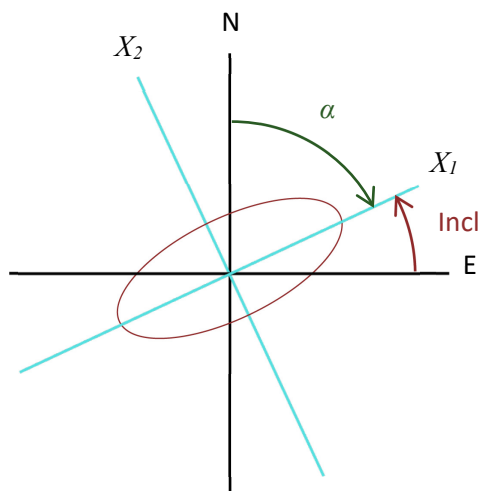
Tripod deployment			Data available [days]				Height of the sensors (cm)			
Start	End		OBS	ADV	ADP	Pressure	OBS ₁	OBS ₂	ADV	ADP
June 2009	23/06/2009	13/07/2009	19.8	19.8	-	19.8	-	-	-	-
Sept. 2009	19/10/2009	09/12/2009	50.7	50.7	-	50.7	-	-	-	-
Total:			70.5	70.5						

Appendix B Estimated major axis directions

B.1 Formulation

If the horizontal velocity components describe an ellipse, the axes X_1 and X_2 are called the major and minor axis of the ellipse. By definition the inclination is the angle between the east and the major axis. α in Figure 20 is then the direction of the major axis measured in degrees Azimuth.

Figure 20 - Coordinate transformation to major and minor axes



If u and v are the velocity components in the north and east direction, and u_1 and u_2 are the velocity components along the X_1 and X_2 axes, then:

(1)

One can now derive the direction α by minimizing u_2 in the L_2 norm:

(2)

with $\|u_2\|_{L_2}^2 = \sum u_2(t)^2$

(3)

Notice that this constrained minimization is very straight forward to program within the Matlab environment:

```
u2 = @(alpha) norm( -cos(alpha)*u + sin(alpha)*v );  
alpha = fminbnd(u2, 0, pi);
```

B.2 Estimated major axis directions of the ADP and ADV velocity

Table 9 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at Blankenberge (ADP ~1.2mab, profile-averaged; ADVOcean at ~0.2mab)

Tripod deployment			ADP				ADVOcean			
			Major dir.		M2 ellipse		Major dir.		M2 ellipse	
Start	End		mean	stdv	dir	95% CI	mean	stdv	dir	95% CI
Nov. 2006	08/11/2006	15/12/2006	52	5.25	51	0.11	58	2.83	58	0.20
Dec. 2006	18/12/2006	07/02/2007	66	1.32	66	0.15	48	3.06	47	0.21
Jan. 2008	28/01/2008	25/02/2008	76	0.85	76	0.13	70	1.51	69	0.39
Mar. 2008	06/03/2008	10/04/2008	62	1.32	61	0.13	68	1.27	67	0.35
Apr. 2008	15/04/2008	05/06/2008	53	0.65	53	0.05	66	0.8	66	0.10
May 2009	04/05/2009	15/06/2009	69	2.49	69	0.20	64	2.3	63	0.35

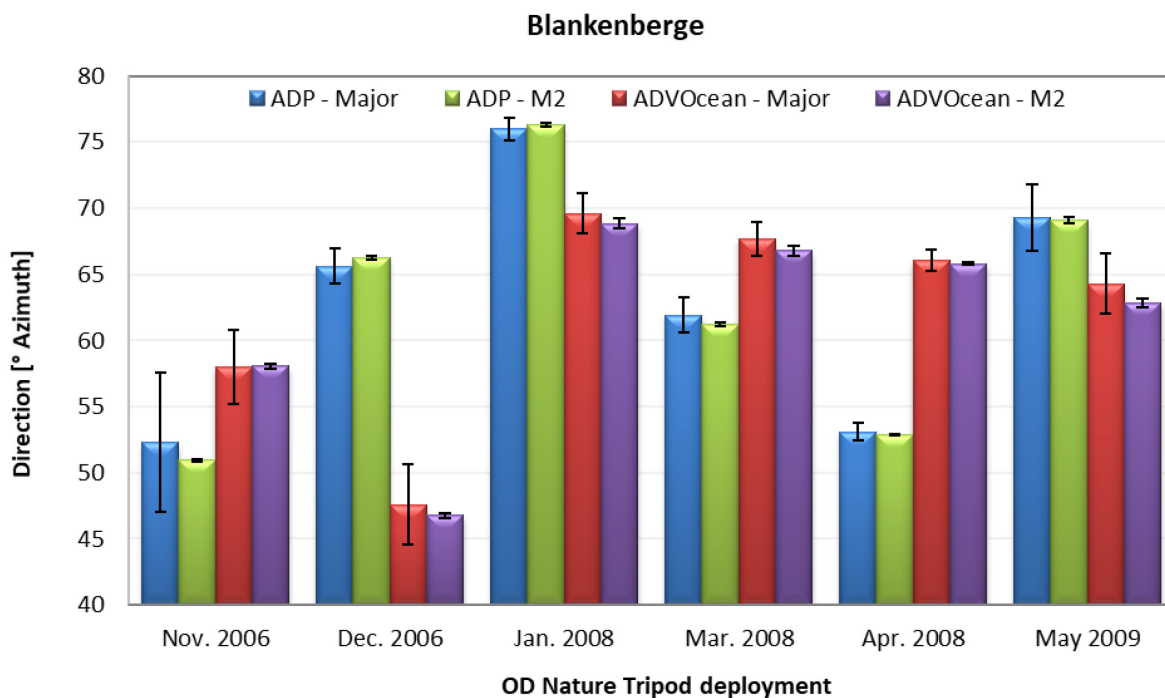


Table 10 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at MOW1 (ADP at ~1.2mab, profile-averaged); ADVOcean at ~0.2mab)

Tripod deployment Start End			ADP				ADVOcean			
			Major dir.		M2 ellipse		Major dir.		M2 ellipse	
			mean	stdv	dir	95% CI	mean	stv	dir	95% CI
Feb. 2005	07/02/2005	08/02/2005	-	-	-	-	72	0.25	72	0.72
Apr. 2005	04/04/2005	15/04/2005	-	-	-	-	74	1.80	74	0.19
Jun. 2005	22/06/2005	11/07/2005	-	-	-	-	60	0.72	60	0.06
Nov. 2005	21/11/2005	05/12/2005	-	-	-	-	62	3.63	65	1.15
Feb. 2006	13/02/2006	27/02/2006	58	1.77	59	0.29	68	2.78	68	0.44
Mar. 2006	27/03/2006	18/04/2006	-	-	-	-	-	-	-	-
May 2006	15/05/2006	15/06/2006	69	1.80	70	0.09	-	-	-	-
Jul. 2007	10/07/2007	19/07/2007	51	0.42	51	0.12	55	0.97	55	0.57
Oct. 2007	23/10/2007	28/11/2007	62	0.94	62	0.12	65	2.94	64	0.39
Nov. 2008	17/11/2008	12/12/2008	81	1.40	81	0.19	-	-	-	-
Feb. 2009	09/02/2009	19/03/2009	64	1.57	64	0.30	51	1.75	51	0.41
Mar. 2009	26/03/2009	29/04/2009	72	0.44	72	0.24	60	0.65	60	0.36
Sep. 2009	10/09/2009	21/10/2009	60	0.75	60	0.23	64	0.44	63	0.58
Nov. 2009	06/11/2009	08/12/2009	73	0.62	75	0.26	60	2.50	63	0.34
Dec. 2009	11/12/2009	25/01/2010	57	1.00	58	0.20	52	1.31	53	0.23
Jan. 2010	25/01/2010	25/03/2010	73	1.15	72	0.26	55	2.63	51	0.38
Mar. 2010	25/03/2010	20/05/2010	-	-	-	-	58	4.00	60	0.34
May 2010	20/05/2010	31/05/2010	65	1.65	63	0.61	59	0.91	58	0.34
May 2010	31/05/2010	23/07/2010	64	1.37	65	0.37	73	2.68	72	0.29
Sep. 2010	06/09/2010	18/10/2010	-	-	-	-	48	0.54	48	0.18
Oct. 2010	18/10/2010	17/11/2010	58	1.00	58	0.40	62	3.16	62	0.54
Nov. 2010	17/11/2010	15/12/2010	62	0.97	61	0.35	57	1.95	57	0.33
Dec. 2010	15/12/2010	31/01/2011	64	0.81	64	0.37	55	1.17	55	0.37
Jan. 2011	31/01/2011	21/03/2011	-	-	-	-	50	5.72	52	0.32
Mar. 2011	21/03/2011	24/03/2011	-	-	-	-	-	-	-	-
Mar. 2011	24/03/2011	29/04/2011	-	-	-	-	67	1.14	69	0.52
Apr. 2011	29/04/2011	23/05/2011	-	-	-	-	69	1.41	68	0.31
May 2011	23/05/2011	11/07/2011	65	1.06	64	0.26	67	1.36	68	0.44
Jul. 2011	11/07/2011	18/08/2011	51	0.57	51	0.24	67	0.66	66	0.24
Aug. 2011	18/08/2011	09/09/2011	-	-	-	-	68	1.09	67	0.40
Sep. 2011	09/09/2011	12/10/2011	58	1.16	57	0.33	63	1.03	63	0.30
Oct. 2011	12/10/2011	24/11/2011	-	-	-	-	-	-	-	-
Nov. 2011	24/11/2011	03/02/2012	65	11.64	67	0.57	42	3.56	45	0.32
Feb. 2012	24/02/2012	19/03/2012	-	-	-	-	-	-	-	-
Mar. 2012	19/03/2012	25/04/2012	69	0.39	69	0.23	69	0.75	69	0.19
Jun. 2012	29/06/2012	23/08/2012	60	0.79	60	0.21	75	4.77	75	0.29
Dec. 2012	05/12/2012	01/01/2013	61	0.83	61	0.46	68	2.39	67	0.59
Jan. 2013	24/01/2013	07/03/2013	71	1.44	73	0.27	59	1.63	59	0.33
Mar. 2013	07/03/2013	28/03/2013	70	53.93	89	0.42	61	1.64	62	0.62
Mar. 2013	28/03/2013	22/04/2013	64	1.47	64	0.37	68	1.58	68	0.42
Apr. 2013	22/04/2013	17/05/2013	68	1.65	69	0.42	61	1.44	61	0.41
May 2013	17/05/2013	27/06/2013	65	1.00	65	0.22	68	2.86	66	0.28
Jun. 2013	27/06/2013	24/07/2013	85	1.76	83	0.43	57	1.21	55	0.32
Jul. 2013	24/07/2013	21/08/2013	59	0.52	59	0.31	64	1.40	64	0.30
Aug. 2013	21/08/2013	23/09/2013	73	0.74	72	0.28	64	1.94	62	0.36
Sep. 2013	23/09/2013	16/10/2013	66	1.21	65	0.39	70	0.81	70	0.36
Oct. 2013	16/10/2013	28/11/2013	68	0.75	68	0.30	57	4.04	57	0.61
Nov. 2013	28/11/2013	09/12/2013	65	0.66	64	0.69	60	0.70	60	0.61

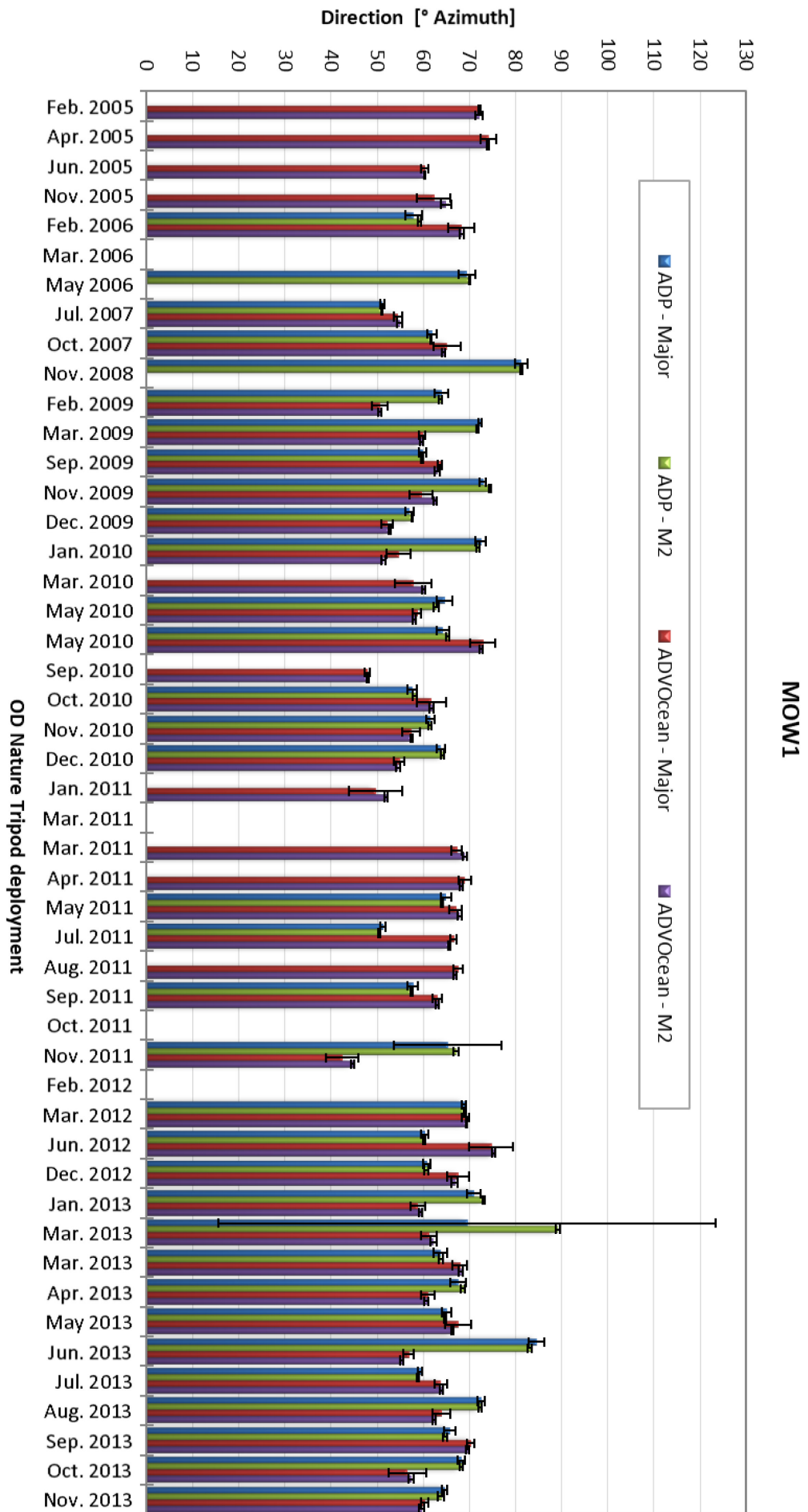


Table 11 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at WZbuoy (ADP at ~1.2mab, profile-averaged; ADVOcean at ~0.2mab)

Tripod deployment Start End			ADP				ADVOcean			
			Major dir.		M2 ellipse		Major dir.		M2 ellipse	
			mean	stdv	dir	95% CI	mean	stv	dir	95% CI
Mar. 2013	28/03/2013	23/04/2013	80	1.61	80	0.41	74	2.18	69	0.88
Apr. 2013	25/04/2013	14/05/2013	-	-	-	-	65	1.00	68	0.84
Jun. 2013	10/06/2013	27/06/2013	-	-	-	-	75	1.46	76	0.60
Jun. 2013	28/06/2013	24/07/2013	58	1.04	59	0.35	63	0.70	63	0.39
Jul. 2013	29/07/2013	21/08/2013	-	-	-	-	66	0.89	66	0.44
Aug. 2013	23/08/2013	09/09/2013	-	-	-	-	72	0.78	72	0.46
Sep. 2013	12/09/2013	14/10/2013	48	1.61	49	0.39	65	1.54	64	0.38
Oct. 2013	15/10/2013	13/11/2013	77	1.16	78	0.51	67	1.36	68	0.55
Nov. 2013	13/11/2013	26/11/2013	51	1.13	52	0.98	71	1.36	70	0.92
Nov. 2013	27/11/2013	10/12/2013	-	-	-	-	71	2.74	72	0.69

WZbuoy

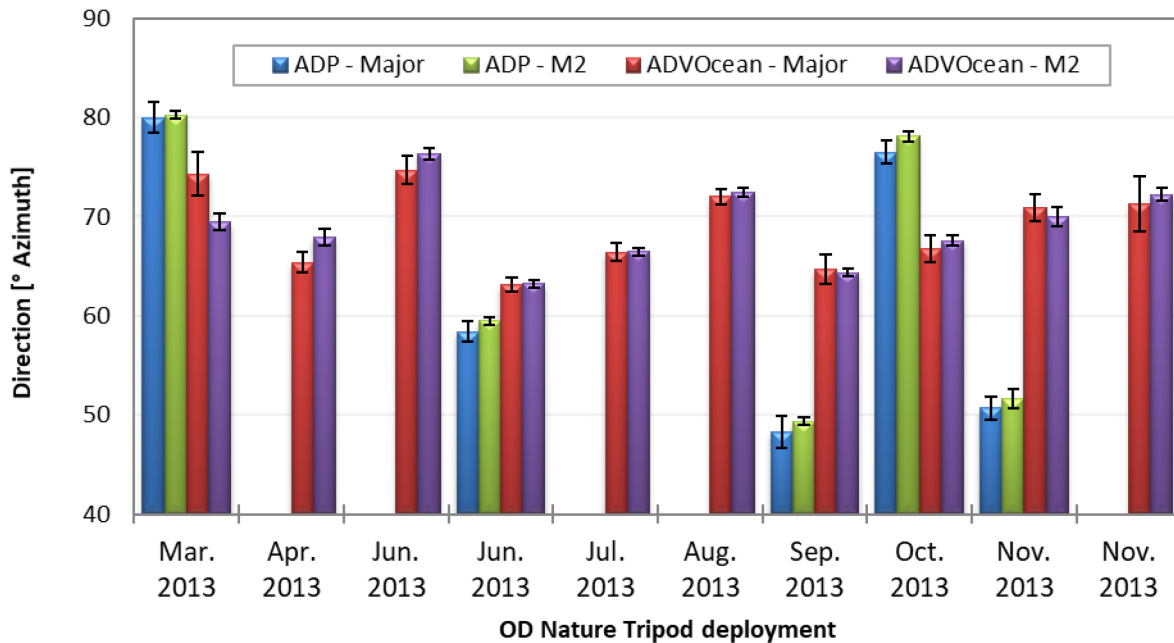


Table 12 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at MOWO
(ADP at ~1.2mab, profile-averaged; ADVOcean at ~0.2mab)

Tripod deployment			ADP				ADVOcean			
			Major dir.		M2 ellipse dir.		Major dir.		M2 ellipse	
Start	End		mean	stdv	M2	95% CI	mean	stv	dir	95% CI
Jun. 2008	23/06/2008	11/07/2008	66	0.98	68	0.34	-	-	-	-

Table 13 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at Blighbank
(ADP at ~1.2mab, profile-averaged; ADVOcean at ~0.2mab)

Tripod deployment			ADP				ADVOcean			
			Major dir.		M2 ellipse		Major dir.		M2 ellipse	
Start	End		mean	stdv	dir	95% CI	mean	stv	dir	95% CI
Jun. 2009	24/06/2009	14/07/2009	-	-	-	-	55	1.04	53	0.19
May 2010	05/05/2010	01/06/2010	-	-	-	-	23	1.04	21	0.58

Table 14 - Estimated major direction [° Azimuth]: mean direction and standard deviation for the deployments at Gootebank
(ADP at ~1.2mab, profile-averaged; ADVOcean at ~0.2mab)

Tripod deployment			ADP				ADVOcean			
			Major dir.		M2 ellipse		Major dir.		M2 ellipse	
Start	End		mean	stdv	dir	95% CI	mean	stv	dir	95% CI
Jun. 2009	23/06/2009	13/07/2009	-	-	-	-	35	16.76	38	1.64
Oct. 2009	19/10/2009	09/12/2009	-	-	-	-	42	0.85	41	0.26

Appendix C Rouse number and sediment mixing condition

Under stationary flow and under the assumption of a constant settling velocity and a parabolic dispersion coefficient profile, the vertical suspended concentration profile can be described by the Rouse equation:

$$c_z = c_a \left(\frac{h-z}{z} \cdot \frac{a}{h-a} \right)^{Ro} \quad (4)$$

$$Ro = \frac{w_s}{\beta \kappa u_*} \quad (5)$$

with:

c_z : suspended concentration at a height z above the bed

c_a : reference concentration at the reference height a above the bed

h : water depth

Ro : Rouse number

w_s : settling velocity

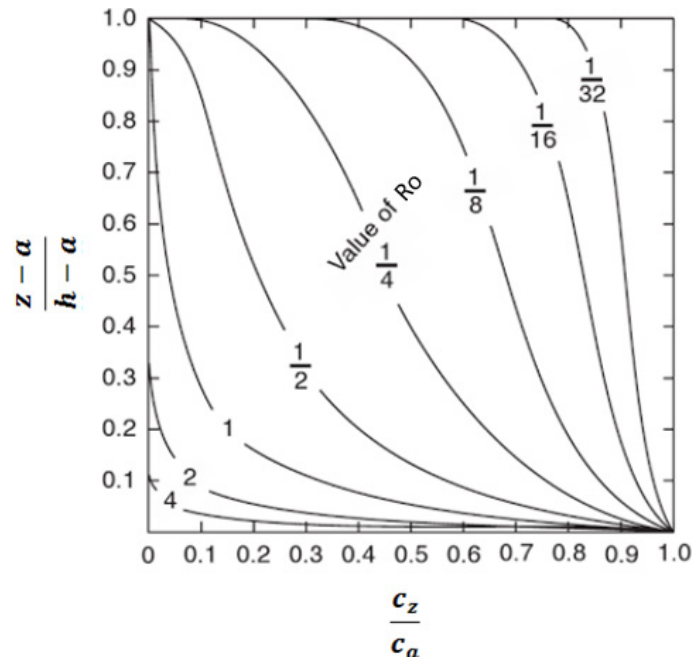
β : coefficient relating mass and momentum transfer ($\beta = 1$ for fine sediments)

κ : von Karman's constant ($\kappa = 0.4$ for clear water)

u_* : shear velocity

In stationary flow, the Rouse number is the ratio of the downward settling of the sediment to upward turbulence strength. It determines the shape of the concentration profile as seen in Figure 21. A high value of Ro corresponds to higher vertical concentration gradients over the water column. In contrast, a smaller Ro corresponds a higher homogeneity of suspended sediment over the depth. The water column is perfectly mixed when Ro approaches zero. A negative Ro would imply an inverse. Therefore, Rouse number can be used to evaluate the mixing condition of sediment in the water column. Note that the Rouse profile theoretically predicts a zero concentration at the surface of the water column.

Figure 21 - Relative concentration vs. vertical distance from the bed for different Rouse number (after Bridge & Demicco, 2008)



Having simultaneously measured data for suspended sediment concentration at two different heights, $z_2 > z_1$, one has:

$$c_{z_1} = c_a \left(\frac{h - z_1}{z_1} \cdot \frac{a}{h - a} \right)^{Ro} \quad (6)$$

$$\begin{aligned} \Rightarrow \ln c_{z_1} &= \ln c_a + Ro \cdot \ln \left(\frac{h - z_1}{z_1} \cdot \frac{a}{h - a} \right) \\ &= \ln c_a + Ro \cdot \ln \frac{h - z_1}{z_1} + Ro \cdot \ln \frac{a}{h - a} \end{aligned} \quad (7)$$

Similarity for the height z_2 :

$$\ln c_{z_2} = \ln c_a + Ro \cdot \ln \frac{h - z_2}{z_2} + Ro \cdot \ln \frac{a}{h - a} \quad (8)$$

Subtract equation (7) to equation (8), one has:

$$\ln c_{z_1} - \ln c_{z_2} = Ro \cdot \ln \frac{h - z_1}{z_1} - Ro \cdot \ln \frac{h - z_2}{z_2} \quad (9)$$

$$\Rightarrow \ln \frac{c_{z_1}}{c_{z_2}} = Ro \cdot \ln \left(\frac{h - z_1}{z_1} \cdot \frac{z_2}{h - z_2} \right)$$

$$\Rightarrow Ro = \frac{\ln \frac{c_{z_1}}{c_{z_2}}}{\ln \left(\frac{h - z_1}{h - z_2} \cdot \frac{z_2}{z_1} \right)} \quad (10)$$

Given water depth h , measured heights z_1 , z_2 and concentration at two heights c_{z_1} , c_{z_2} , Rouse number Ro can be calculated following Equation (10) and mixing condition of sediment in the water column can be evaluated as above.

Appendix D OD Nature Tripod deployments: Figures of ADP velocity measurements

D.1 Tripod deployment Blankenberge – ADP

D.1.1 Tripod deployment Blankenberge (ADP): November - December 2006

Figure 22 - Tripod deployment Blankenberge (ADP): November - December 2006 - UV-diagram with tidal ellipse [m/s] at ~1.26mab (profile-averaged) derived through tidal analyses (36 constituents)

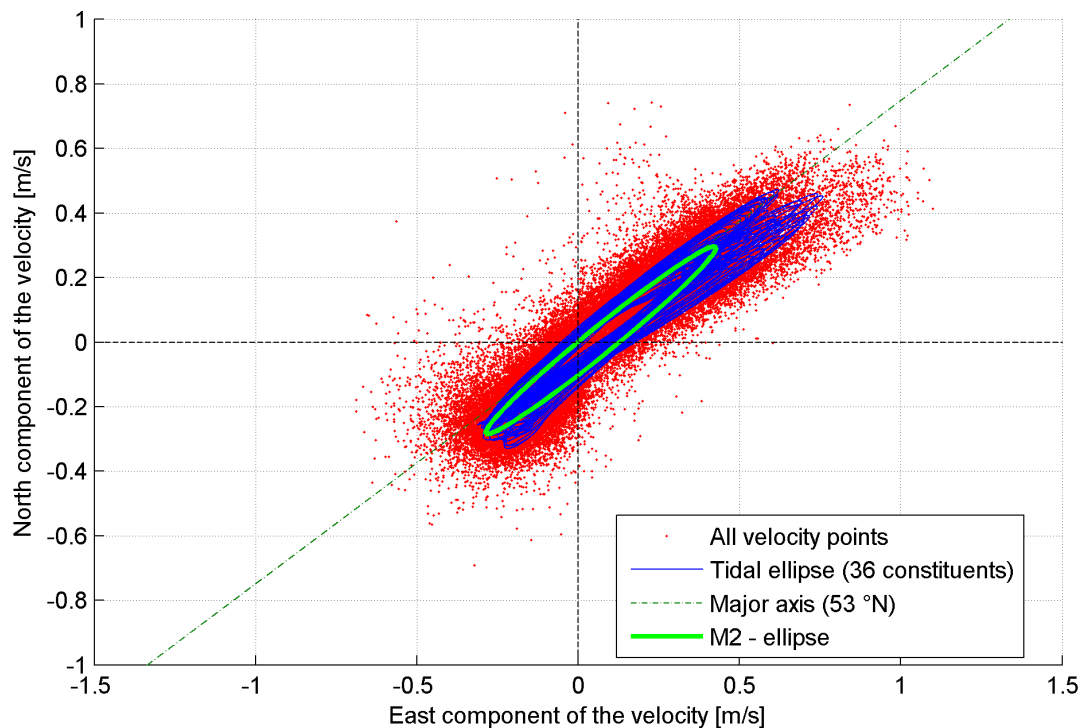


Figure 23 - Tripod deployment Blankenberge (ADP): November - December 2006 - East and North velocity components [m/s] at ~1.26mab (profile-averaged)

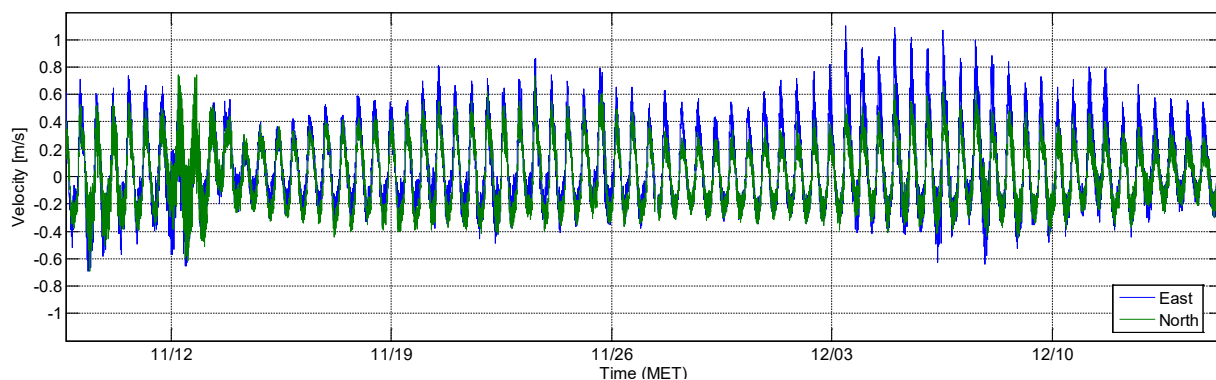


Figure 24 - Tripod deployment Blankenberge (ADP): November - December 2006 - Flow decomposed along the estimated major axis (53°N) [m/s] at ~1.26mab (profile-averaged)

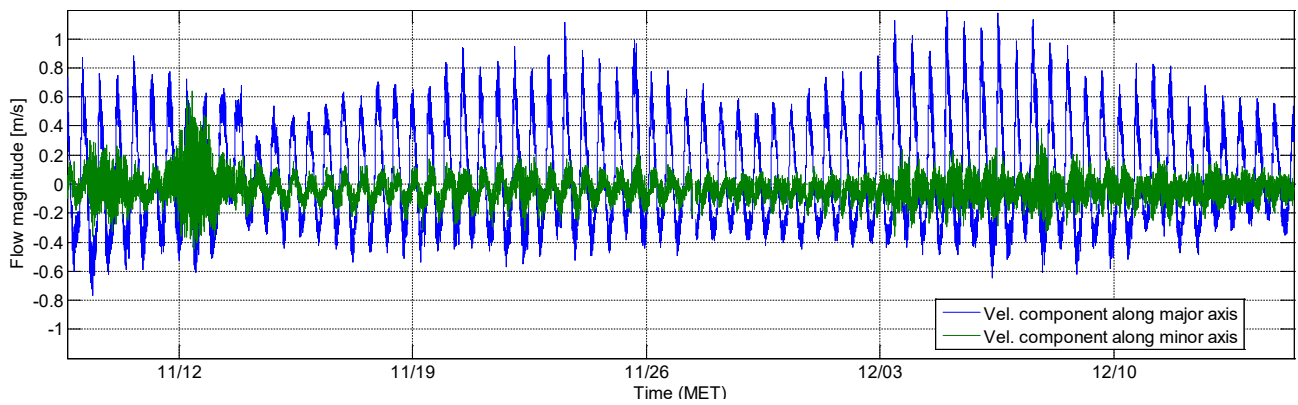


Figure 25 - Tripod deployment Blankenberge (ADP): November - December 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=52.3°, dev=5.25°

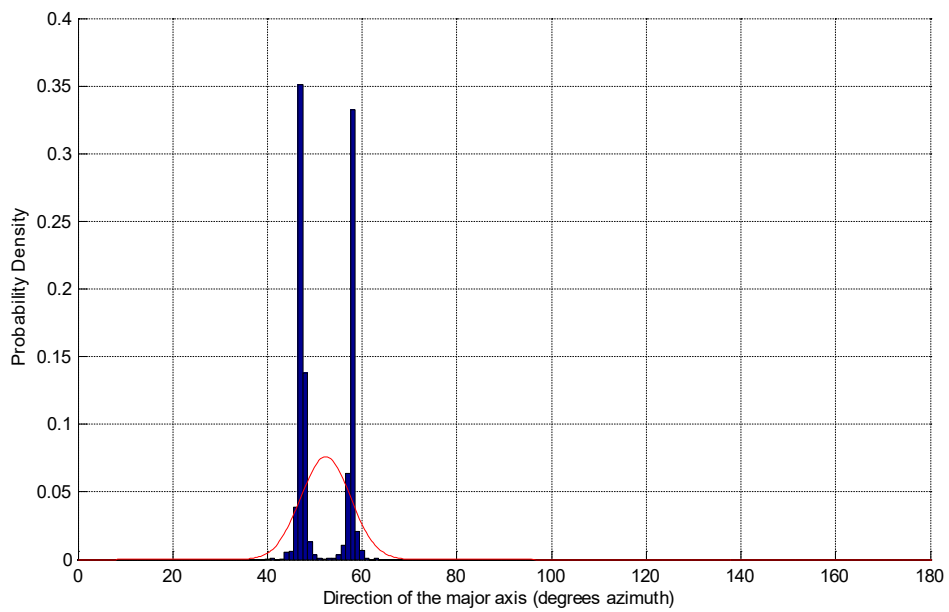
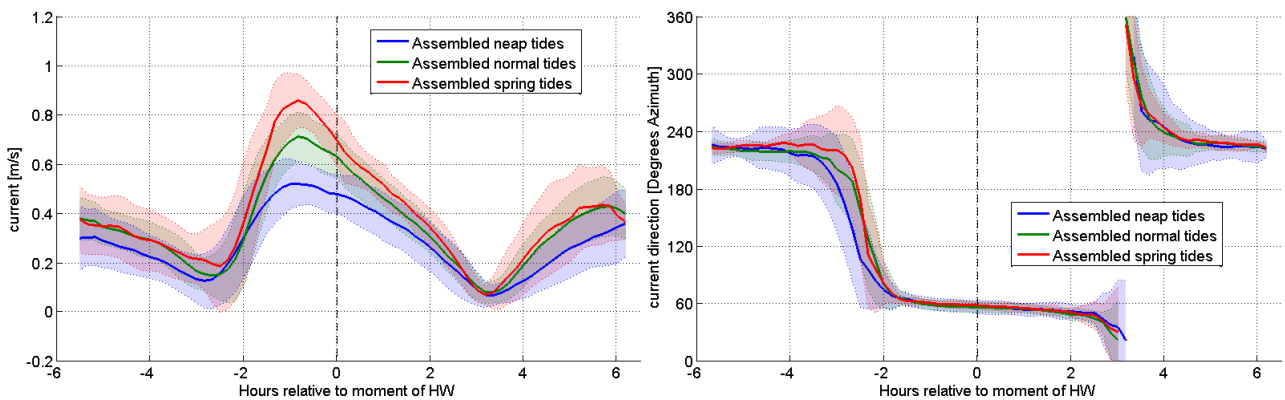


Figure 26 - Tripod deployment Blankenberge (ADP): 08/11/2006 - 15/12/2006 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab



D.1.2 Tripod deployment Blankenberge (ADP): December 2006 - February 2007

Figure 27 - Tripod deployment Blankenberge (ADP): December 2006 - February 2007 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

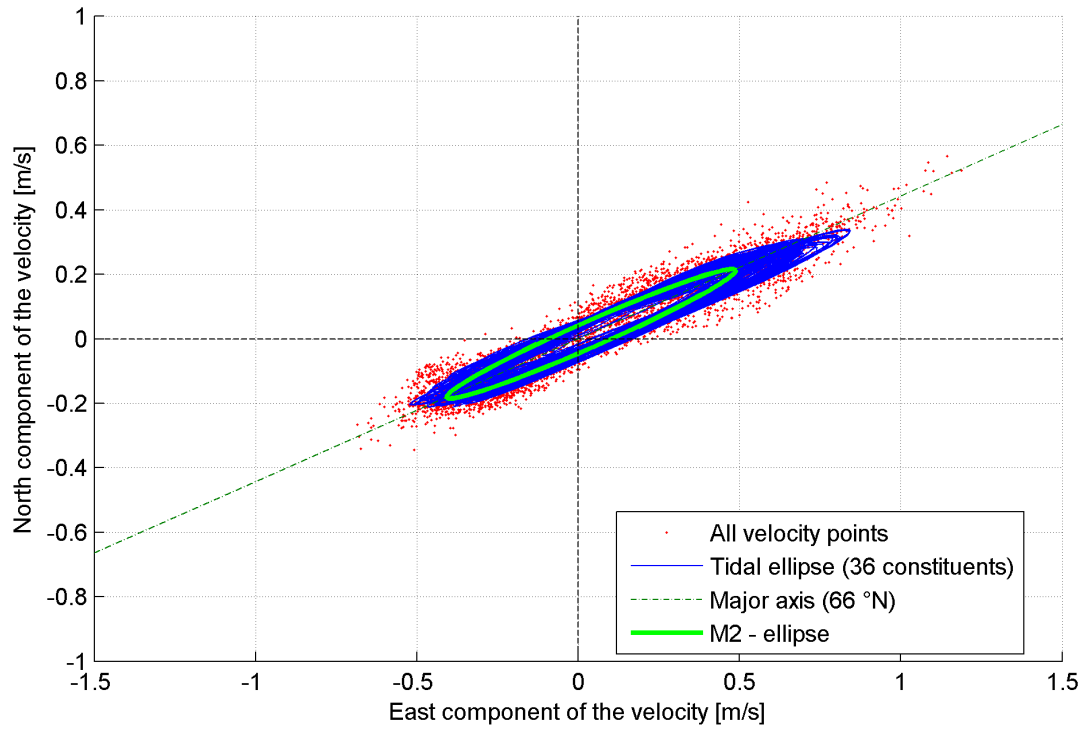


Figure 28 - Tripod deployment Blankenberge (ADP): December 2006 - February 2007 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

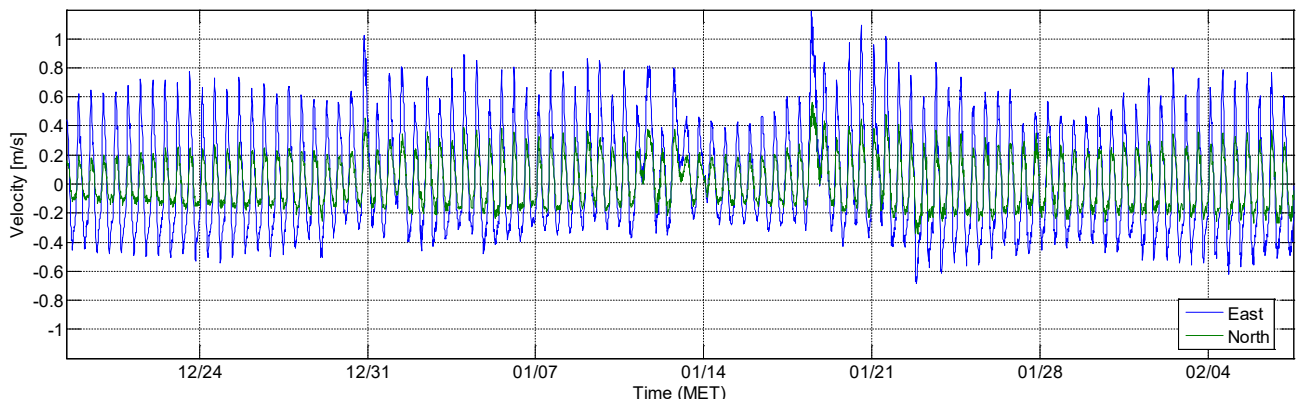


Figure 29 - Tripod deployment Blankenberge (ADP): December 2006 - February 2007 - Flow decomposed along the estimated major axis (66°N) [m/s] at ~1.50mab (profile-averaged)

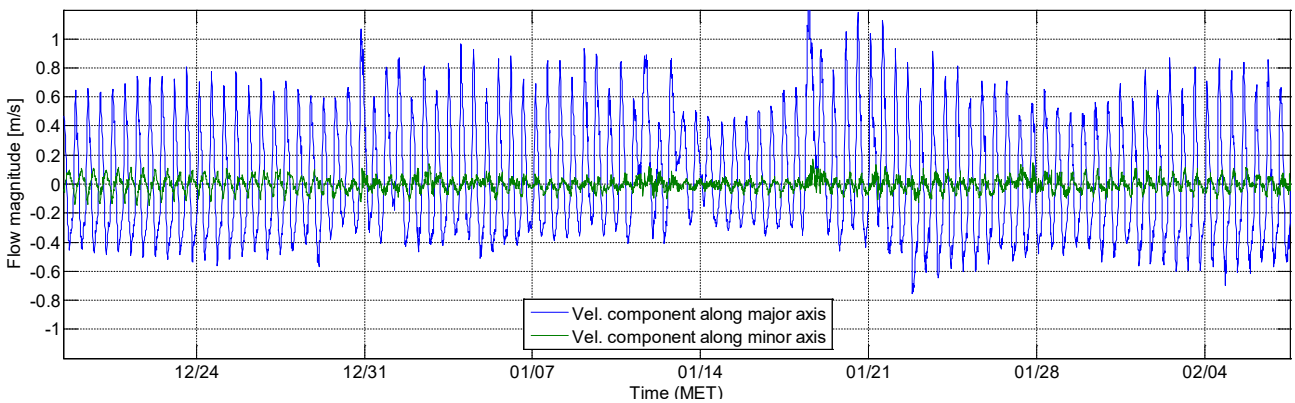


Figure 30 - Tripod deployment Blankenberge (ADP): December 2006 - February 2007 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.6°, dev=1.32°

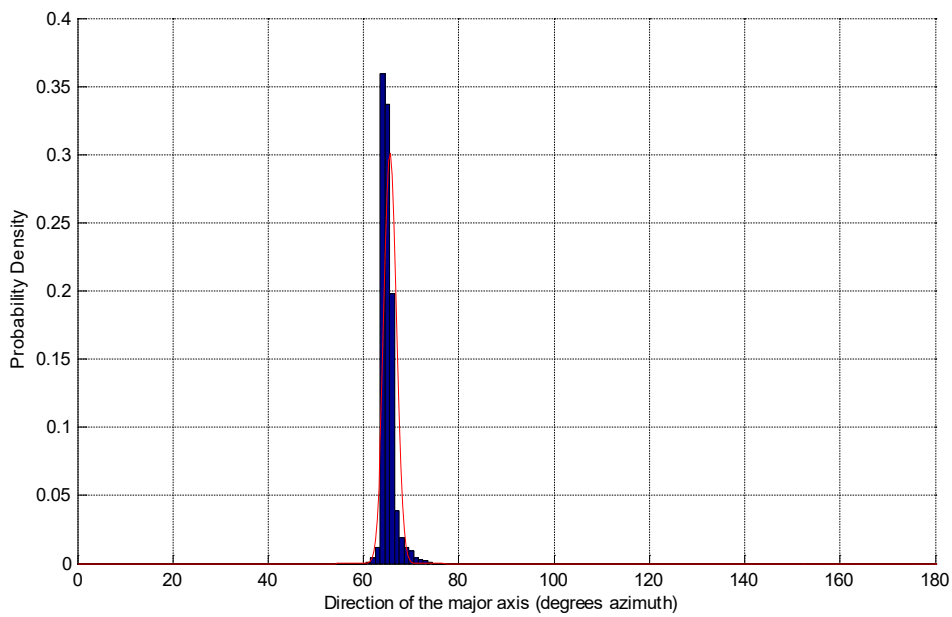
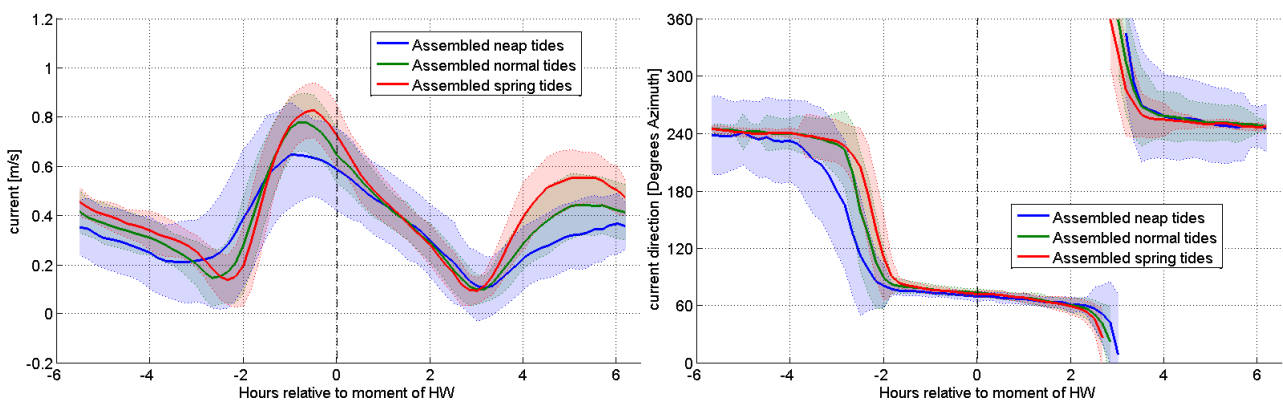


Figure 31 - Tripod deployment Blankenberge (ADP): 18/12/2006 - 07/02/2007 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.1.3 Tripod deployment Blankenberge (ADP): January - February 2008

Figure 32 - Tripod deployment Blankenberge (ADP): January - February 2008 - UV-diagram with tidal ellipse [m/s] at ~1.20mab (profile-averaged) derived through tidal analyses (18 constituents)

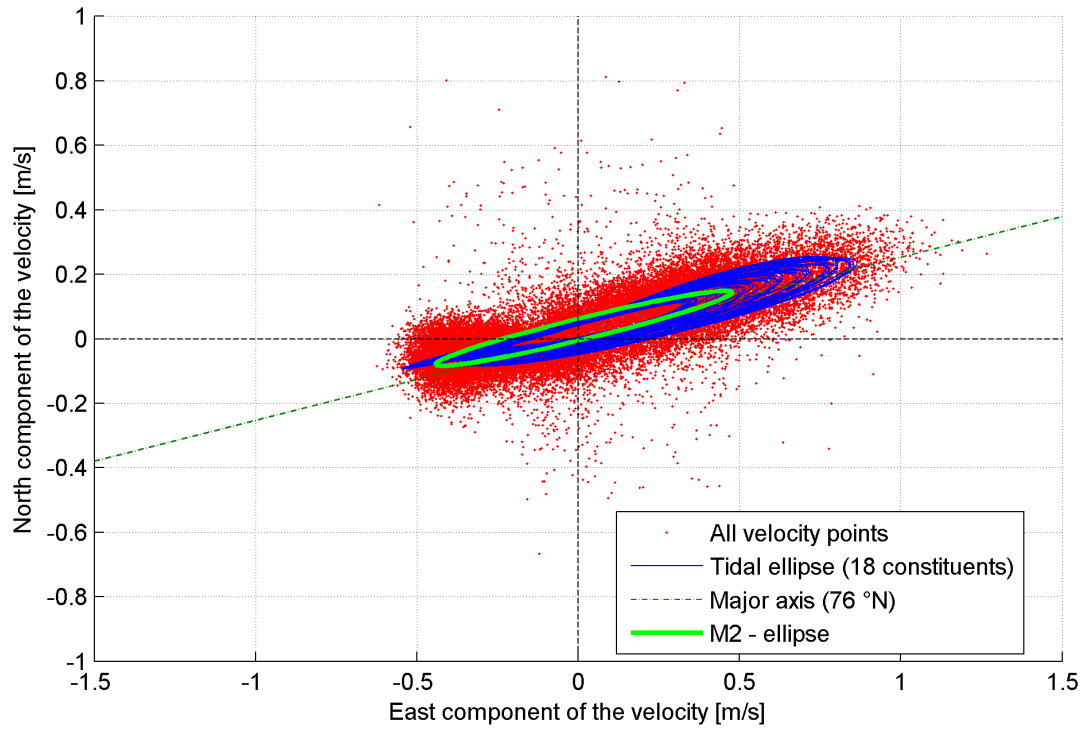


Figure 33 - Tripod deployment Blankenberge (ADP): January - February 2008 - East and North velocity components [m/s] at ~1.20mab (profile-averaged)

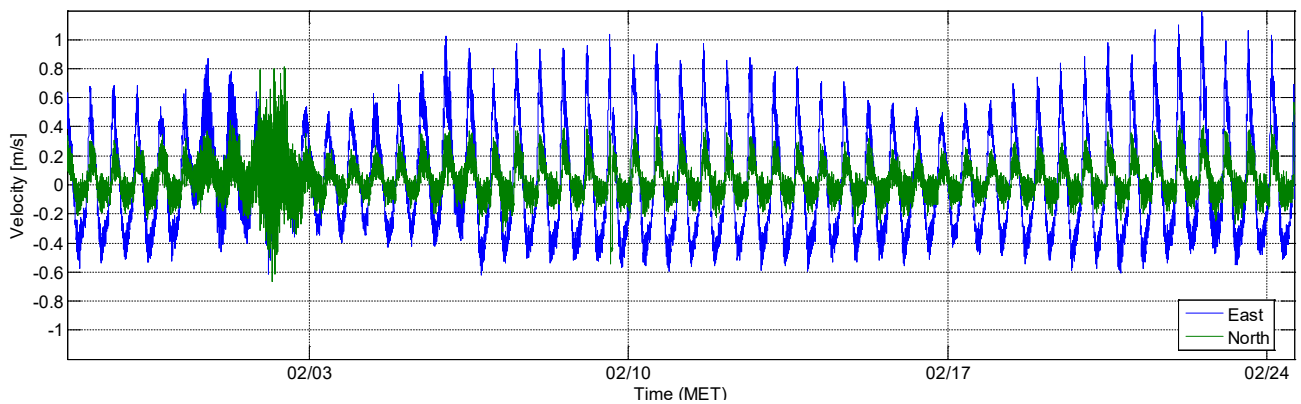


Figure 34 - Tripod deployment Blankenberge (ADP): January - February 2008 - Flow decomposed along the estimated major axis (76°N) [m/s] at ~1.20mab (profile-averaged)

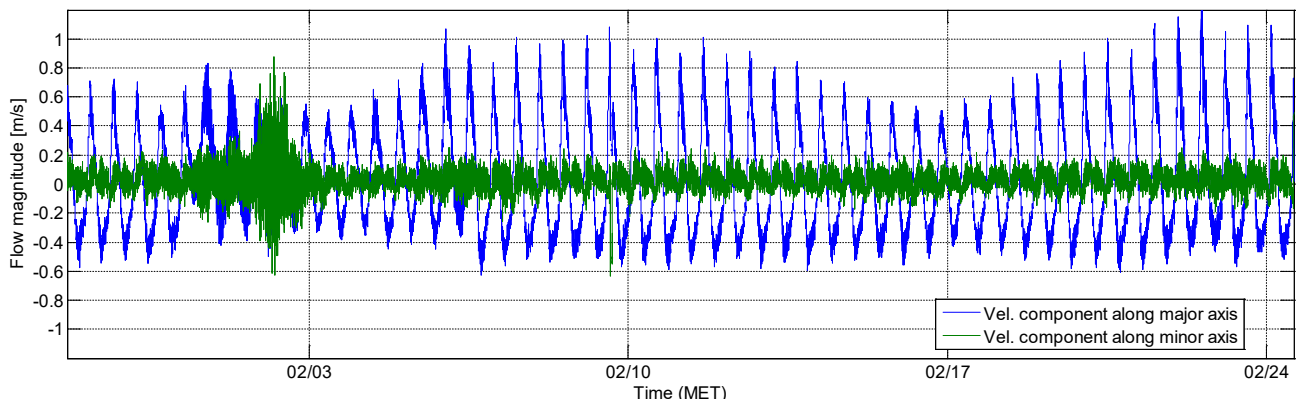


Figure 35 - Tripod deployment Blankenberge (ADP): January - February 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=76.0°, dev=0.85°

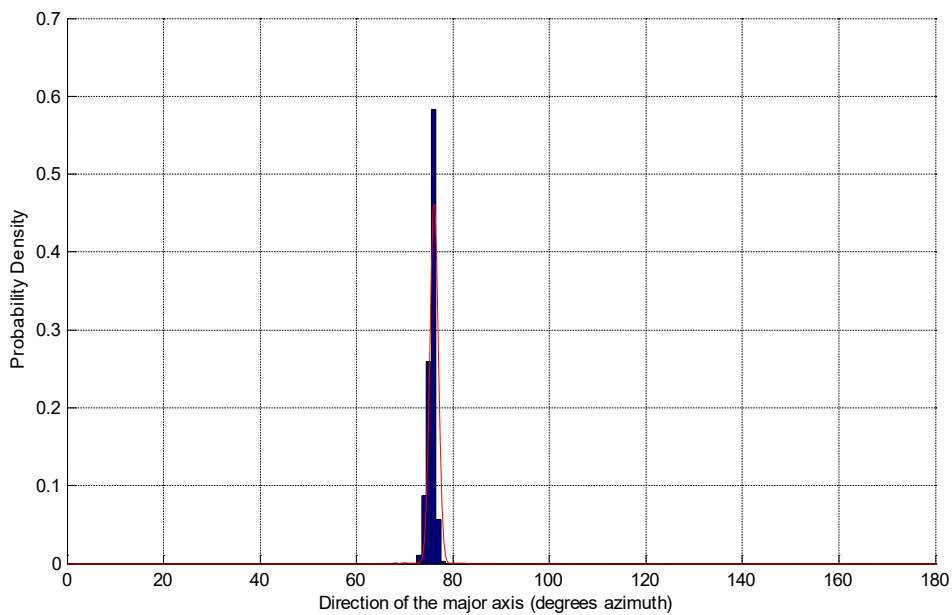
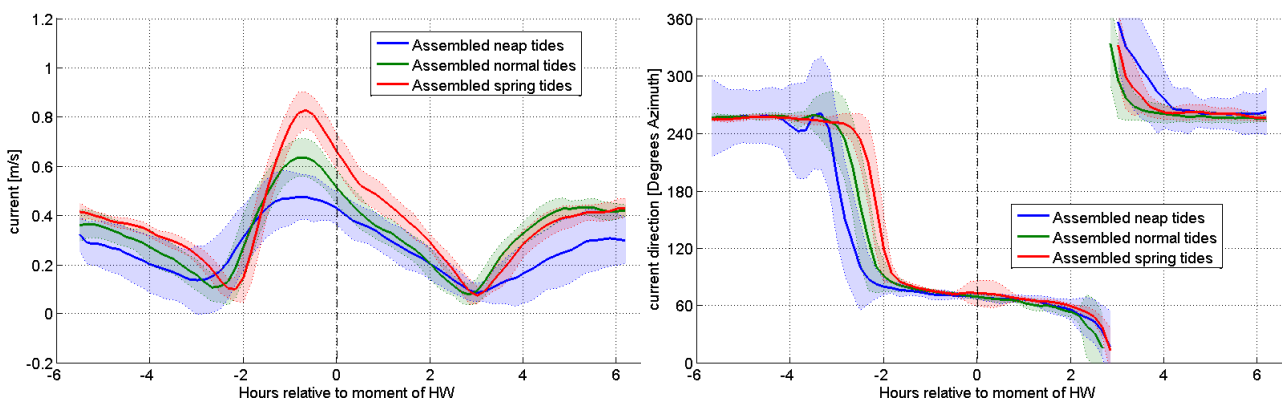


Figure 36 - Tripod deployment Blankenberge (ADP): 28/01/2008 - 24/02/2008 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.1.4 Tripod deployment Blankenberge (ADP): March - April 2008

Figure 37 - Tripod deployment Blankenberge (ADP): March - April 2008 - UV-diagram with tidal ellipse [m/s] at ~1.20mab (profile-averaged) derived through tidal analyses (36 constituents)

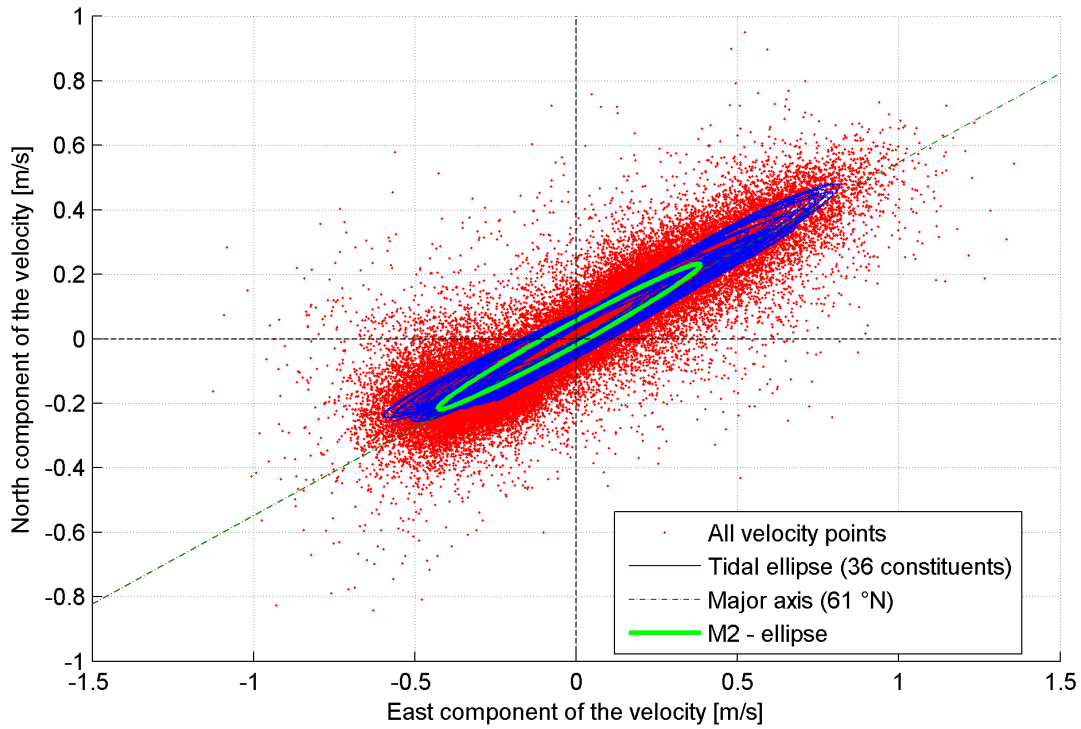


Figure 38 - Tripod deployment Blankenberge (ADP): March - April 2008 - East and North velocity components [m/s] at ~1.20mab (profile-averaged)

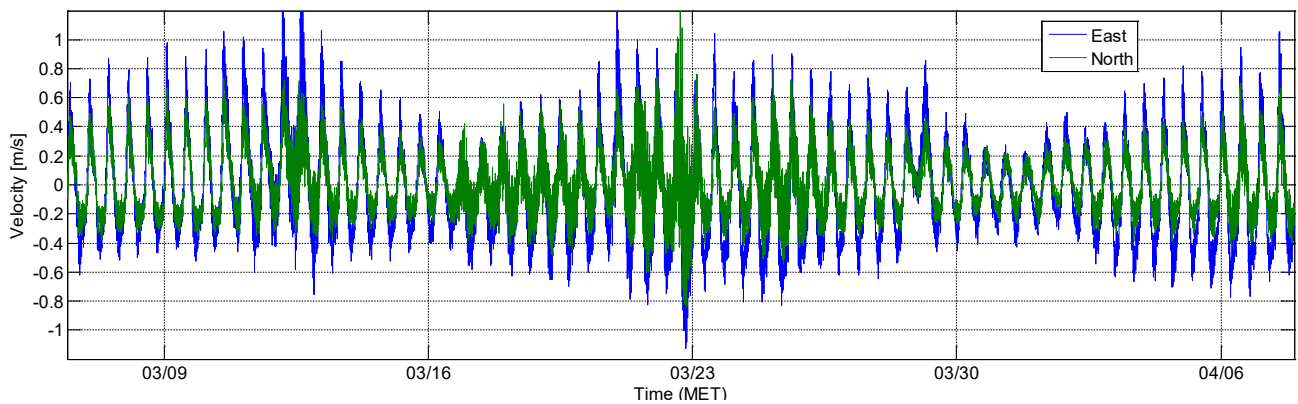


Figure 39 - Tripod deployment Blankenberge (ADP): March - April 2008 - Flow decomposed along the estimated major axis (61°N) [m/s] at ~1.20mab (profile-averaged)

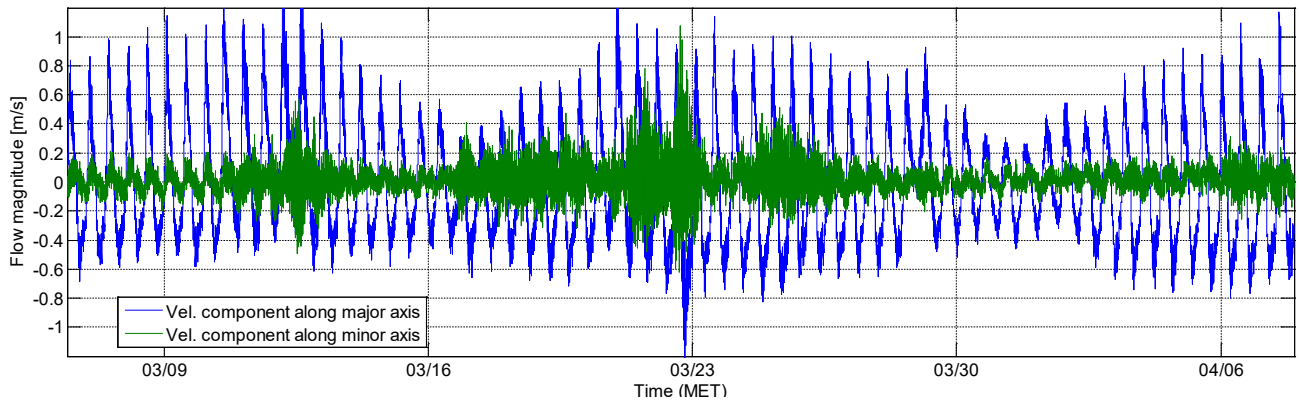


Figure 40 - Tripod deployment Blankenberge (ADP): March - April 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=61.9°, dev=1.32°

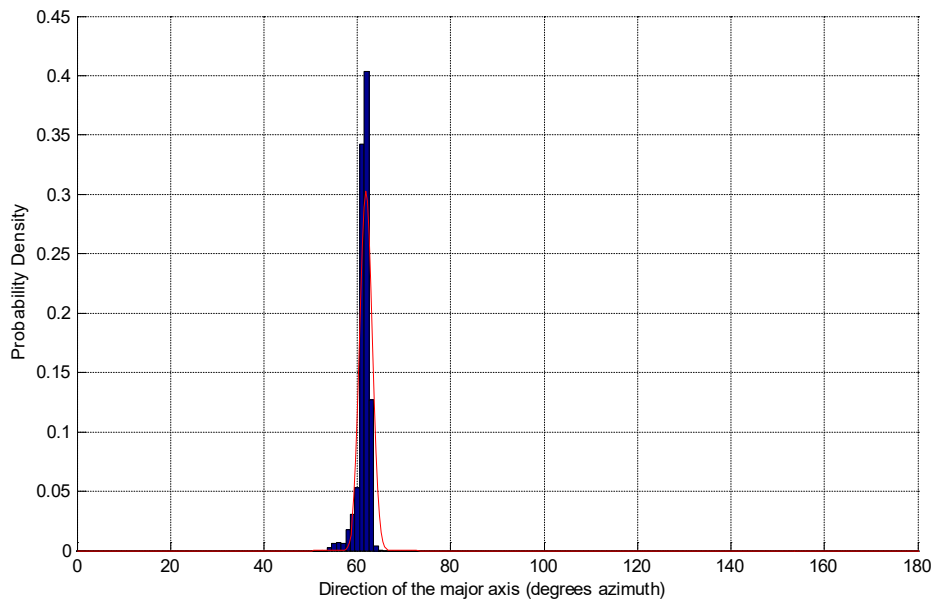
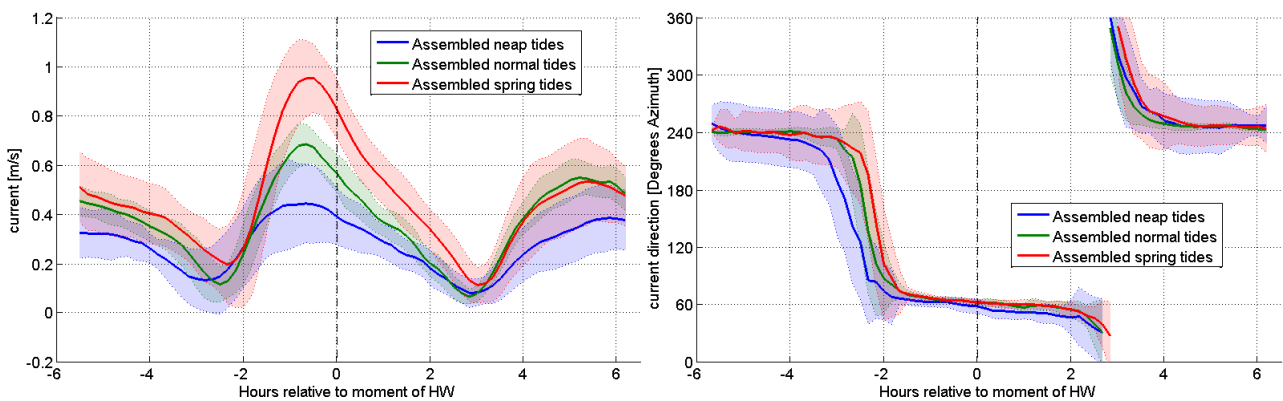


Figure 41 - Tripod deployment Blankenberge (ADP): 06/03/2008 - 07/04/2008 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.1.5 Tripod deployment Blankenberge (ADP): April - June 2008

Figure 42 - Tripod deployment Blankenberge (ADP): April - June 2008 - UV-diagram with tidal ellipse [m/s] at ~1.17mab (profile-averaged) derived through tidal analyses (36 constituents)

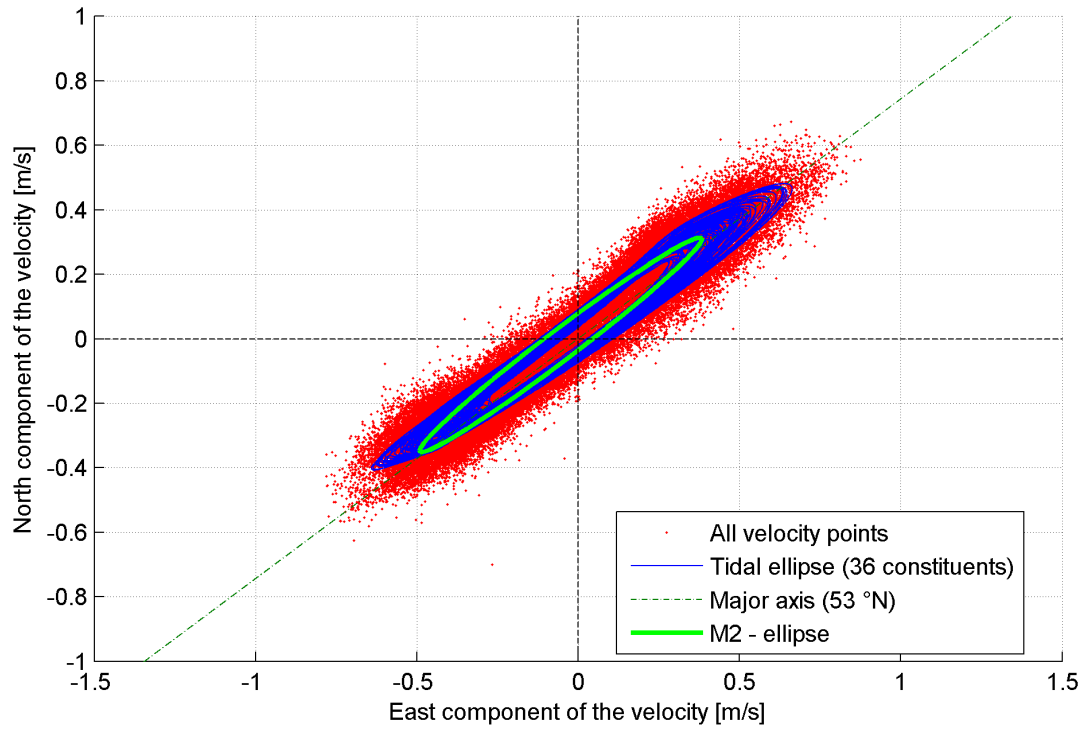


Figure 43 - Tripod deployment Blankenberge (ADP): April - June 2008 - East and North velocity components [m/s] at ~1.17mab (profile-averaged)

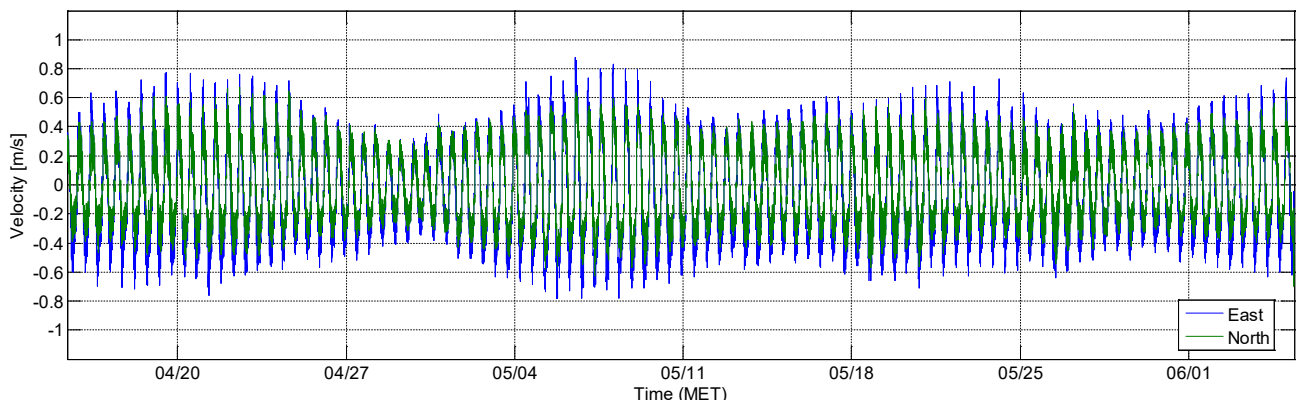


Figure 44 - Tripod deployment Blankenberghe (ADP): April - June 2008 - Flow decomposed along the estimated major axis (53°N) [m/s] at ~1.17mab (profile-averaged)

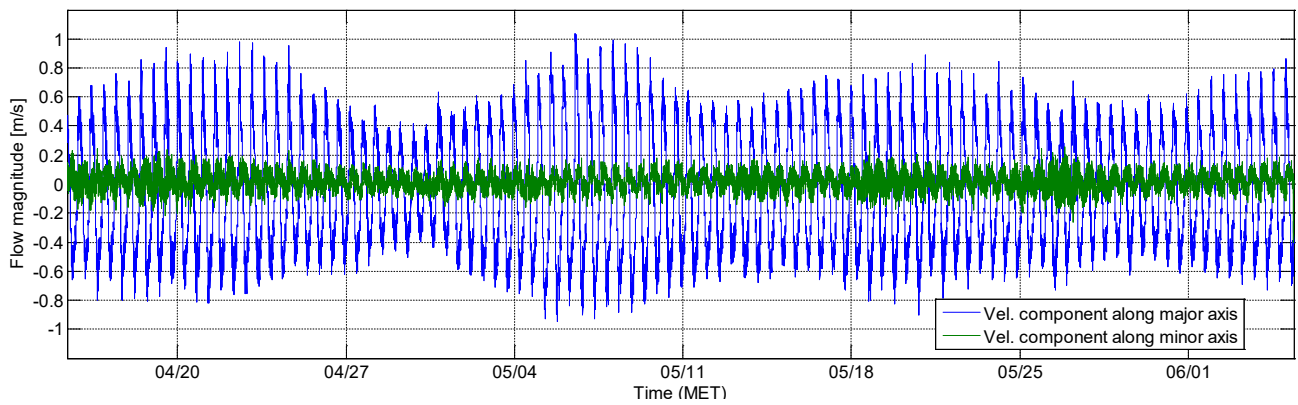


Figure 45 - Tripod deployment Blankenberghe (ADP): April - June 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=53.1°, dev=0.65°

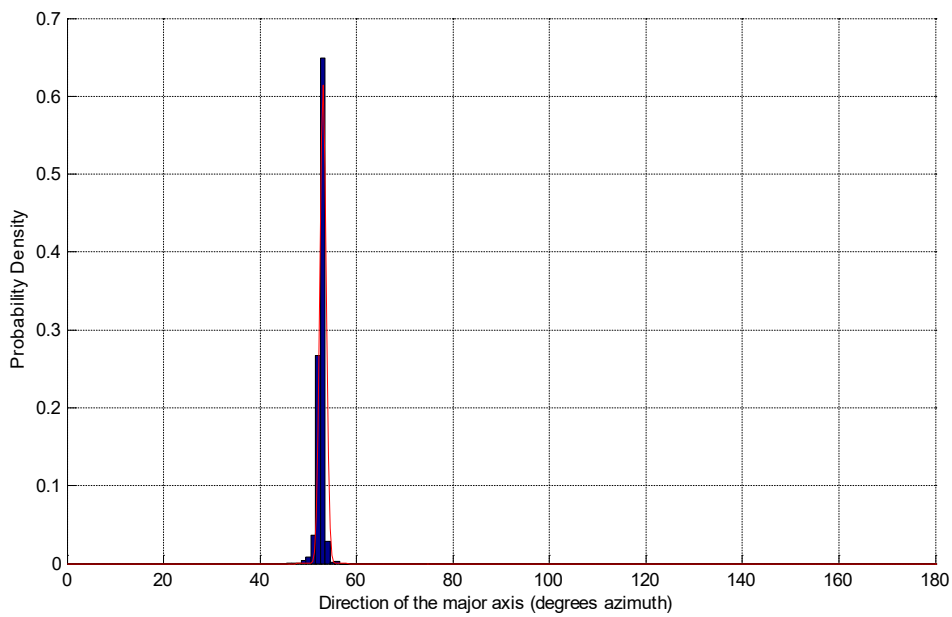
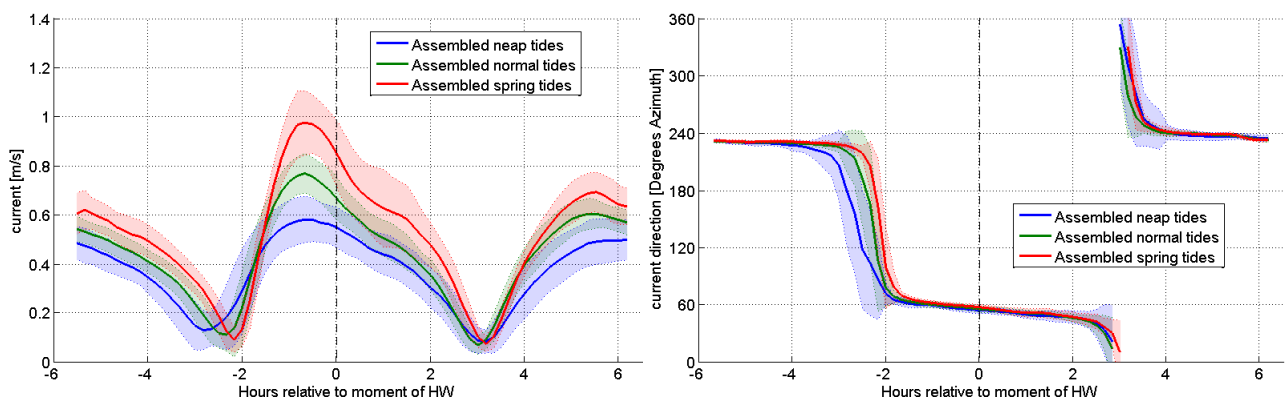


Figure 46 - Tripod deployment Blankenberghe (ADP): 15/04/2008 - 05/06/2008 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.1.6 Tripod deployment Blankenberge (ADP): May - June 2009

Figure 47 - Tripod deployment Blankenberge (ADP): May - June 2009 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

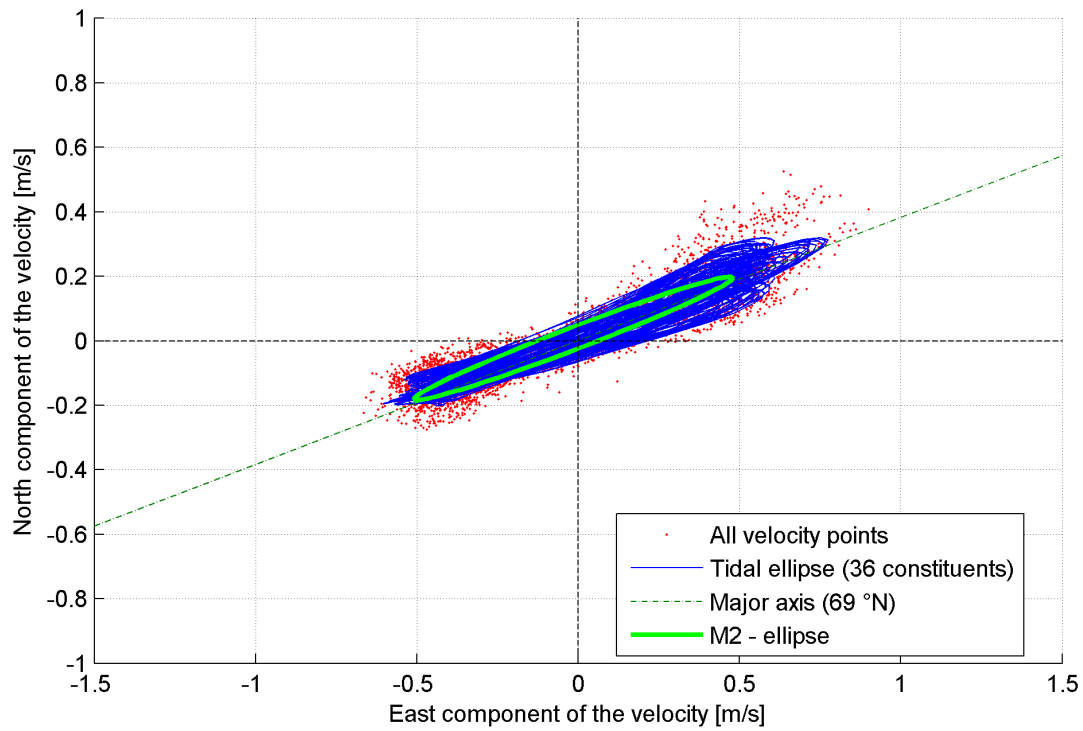


Figure 48 - Tripod deployment Blankenberge (ADP): May - June 2009 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

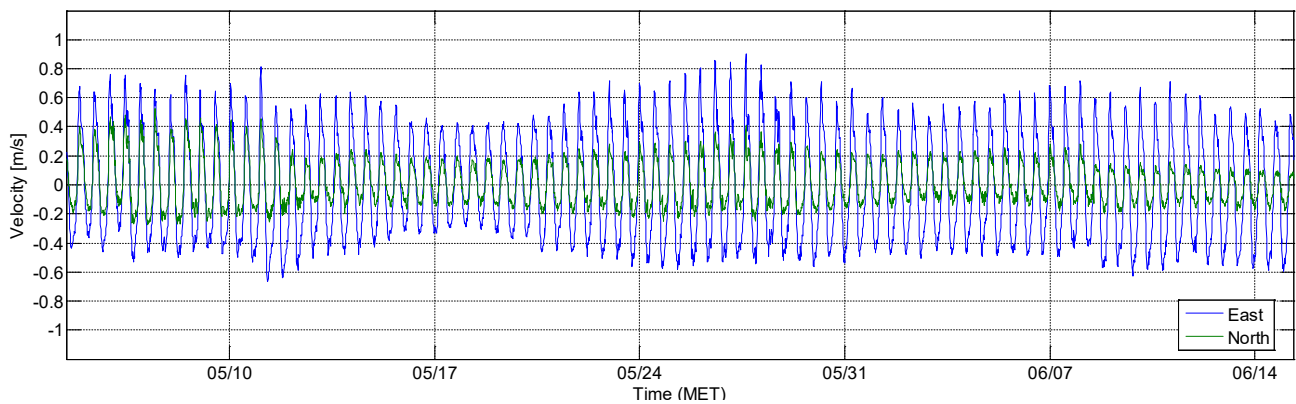


Figure 49 - Tripod deployment Blankenberge (ADP): May - June 2009 - Flow decomposed along the estimated major axis (69°N) [m/s] at ~1.50mab (profile-averaged)

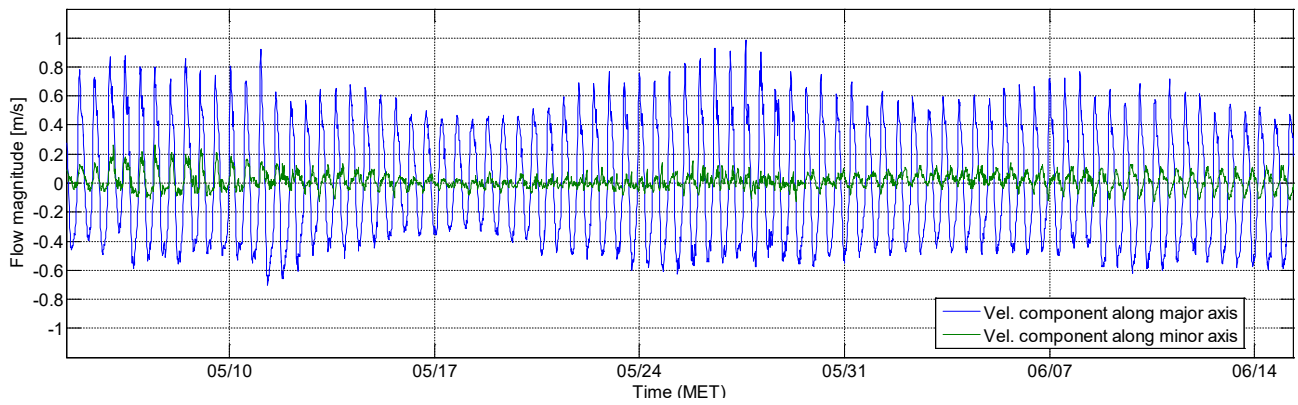


Figure 50 - Tripod deployment Blankenberge (ADP): May - June 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.3°, dev=2.49°

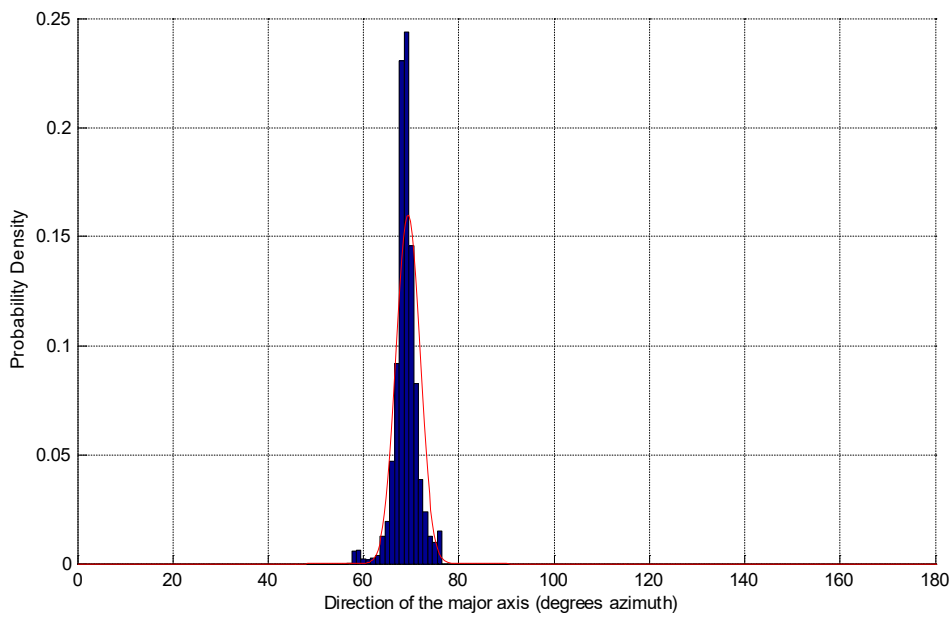
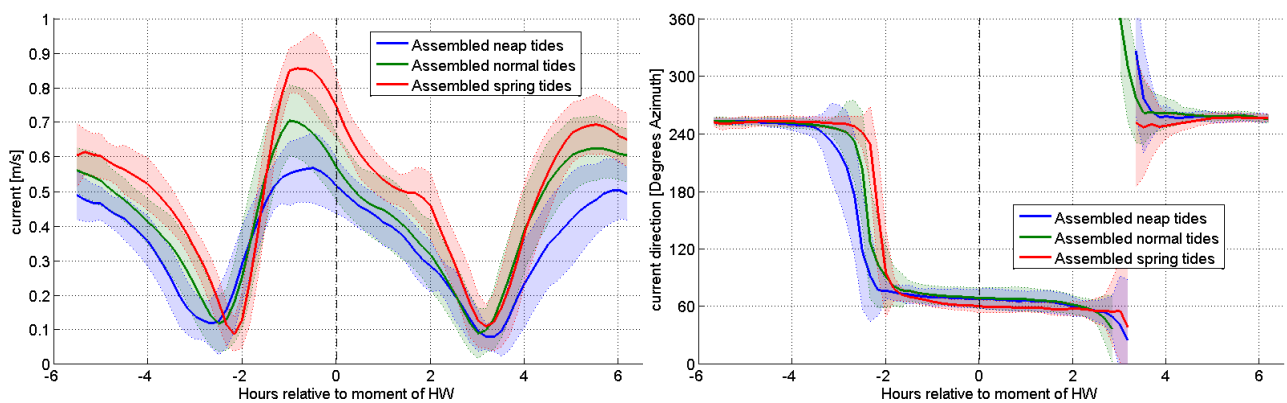


Figure 51 - Tripod deployment Blankenberge (ADP): 04/05/2009 - 15/06/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2 Tripod deployment MOW1 – ADP

D.2.1 Tripod deployment MOW1 (ADP): February 2006

Figure 52 - Tripod deployment MOW1 (ADP): February 2006 - UV-diagram with tidal ellipse [m/s] at ~1.26mab (profile-averaged) derived through tidal analyses (11 constituents)

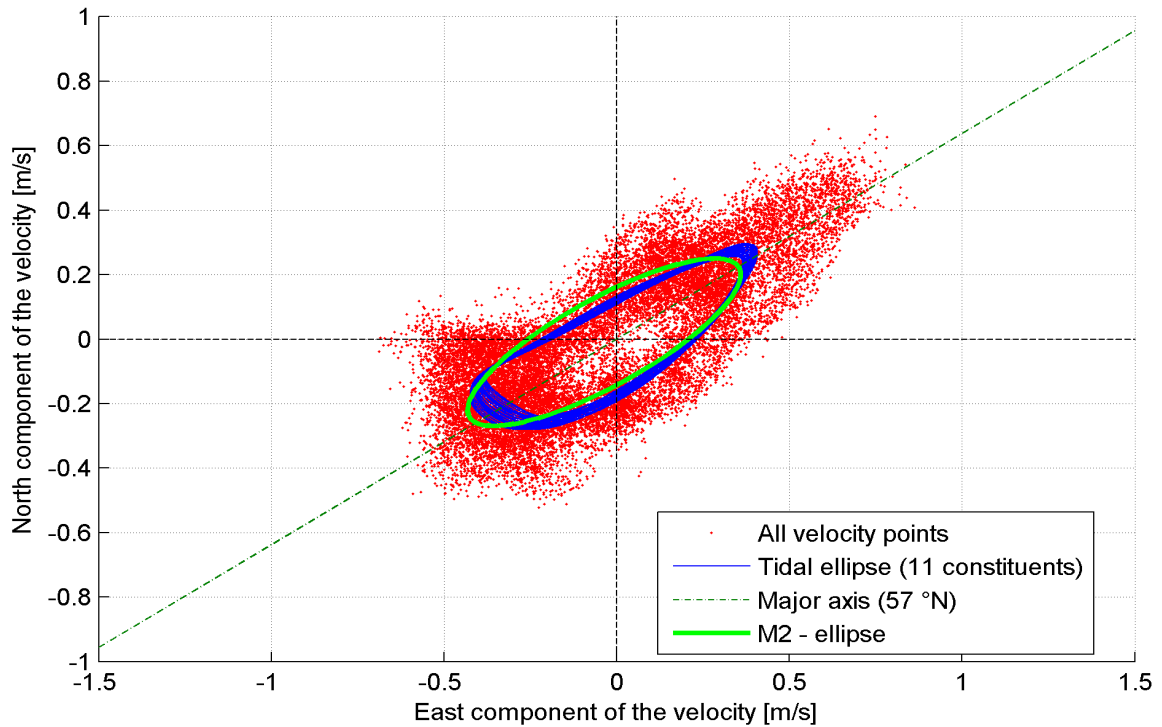


Figure 53 - Tripod deployment MOW1 (ADP): February 2006 - East and North velocity components [m/s] at ~1.26mab (profile-averaged)

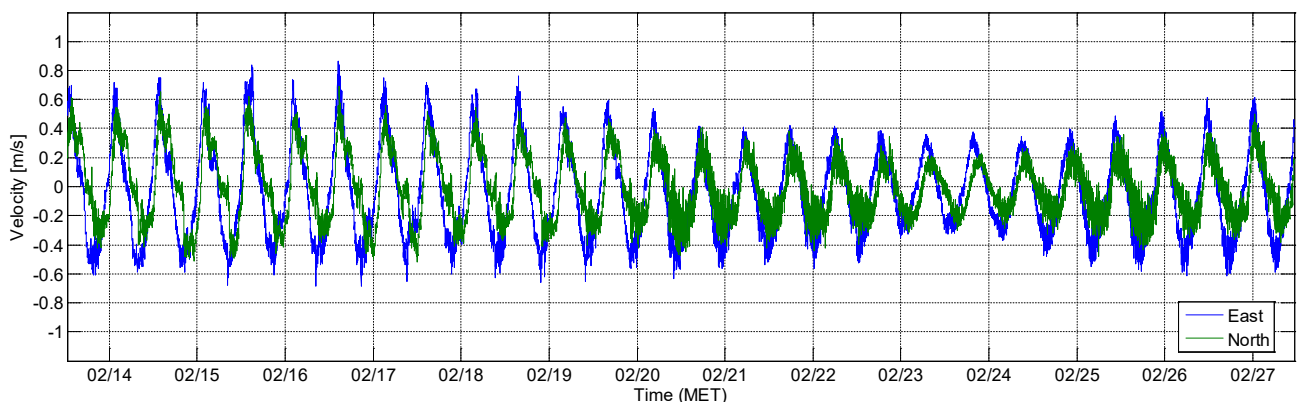


Figure 54 - Tripod deployment MOW1 (ADP): February 2006 - Flow decomposed along the estimated major axis (57°N) [m/s] at ~1.26mab (profile-averaged)

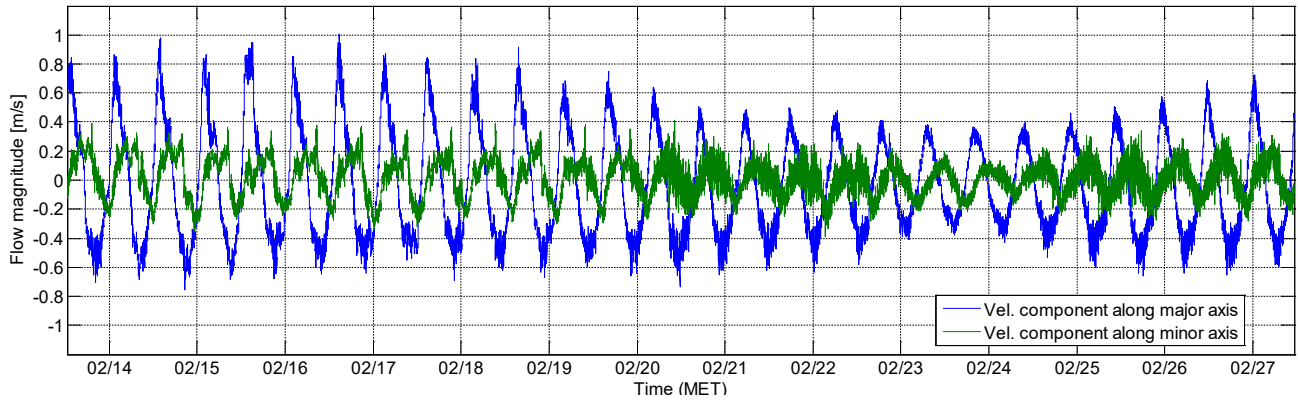
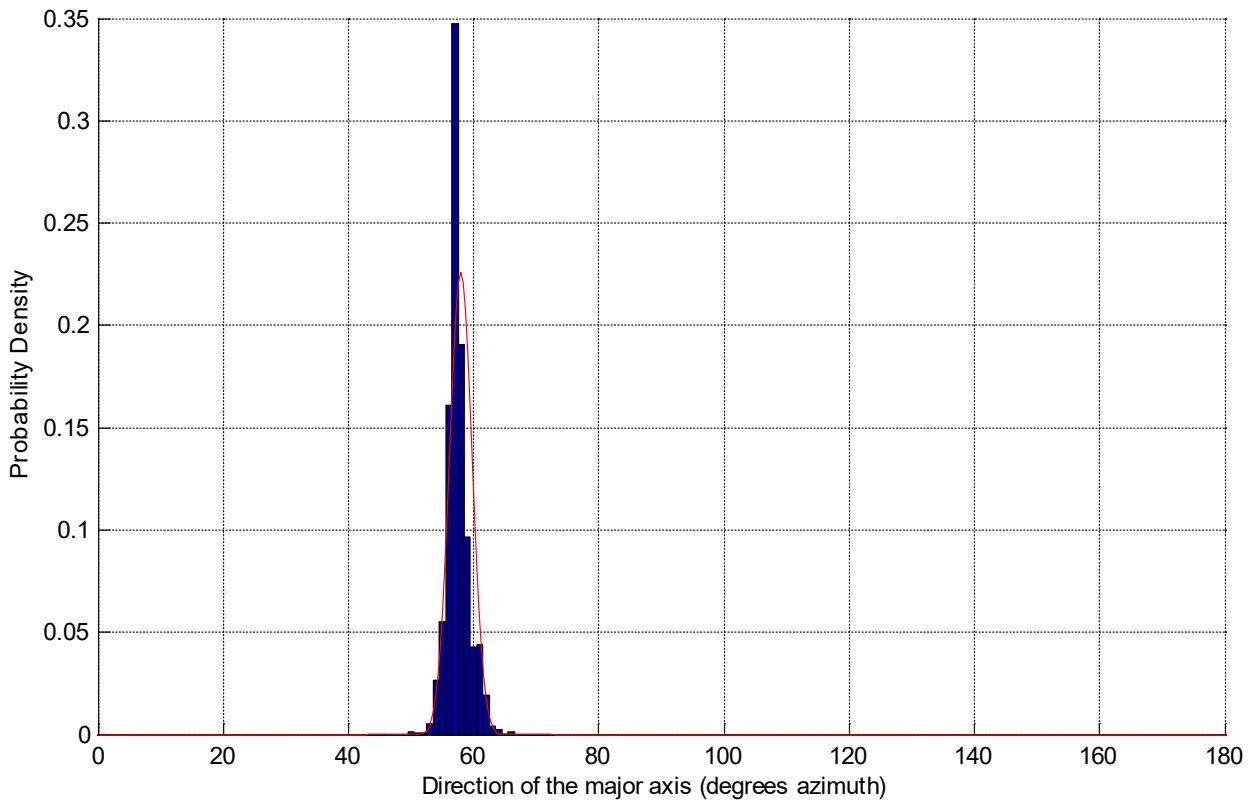


Figure 55 - Tripod deployment MOW1 (ADP): February 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=57.9°, dev=1.77°



D.2.2 Tripod deployment MOW1 (ADP): May - June 2006

Figure 56 - Tripod deployment MOW1 (ADP): May - June 2006 - UV-diagram with tidal ellipse [m/s] at ~1.26mab (profile-averaged) derived through tidal analyses (30 constituents)

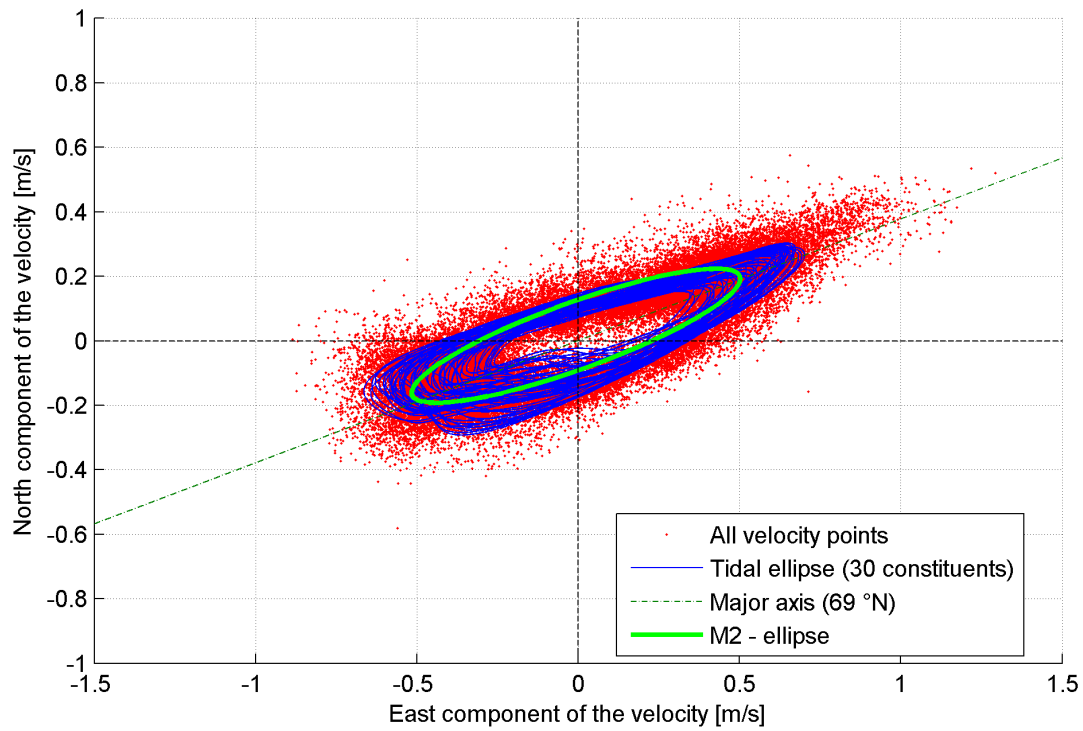


Figure 57 - Tripod deployment MOW1 (ADP): May - June 2006 - East and North velocity components [m/s] at ~1.26mab (profile-averaged)

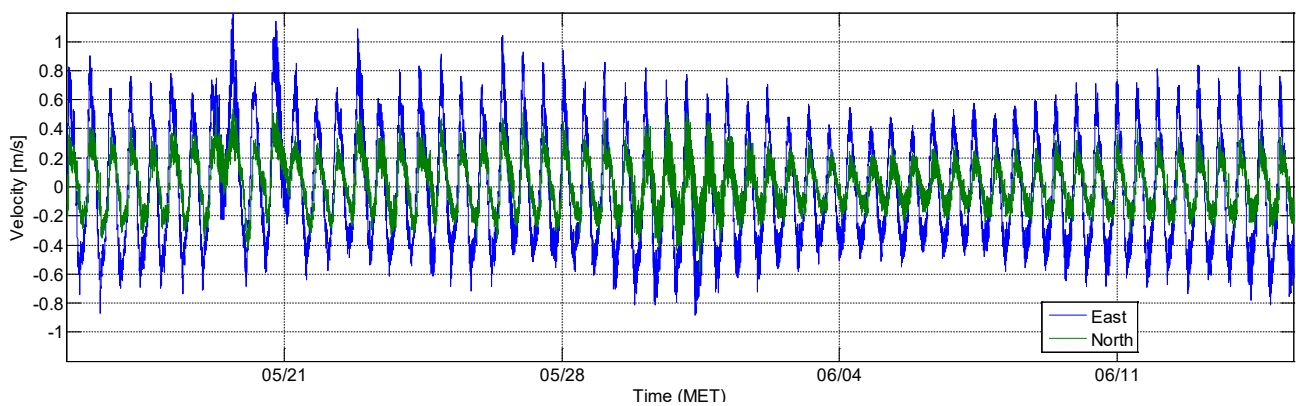


Figure 58 - Tripod deployment MOW1 (ADP): May - June 2006 - Flow decomposed along the estimated major axis (69°N) [m/s] at ~1.26mab (profile-averaged)

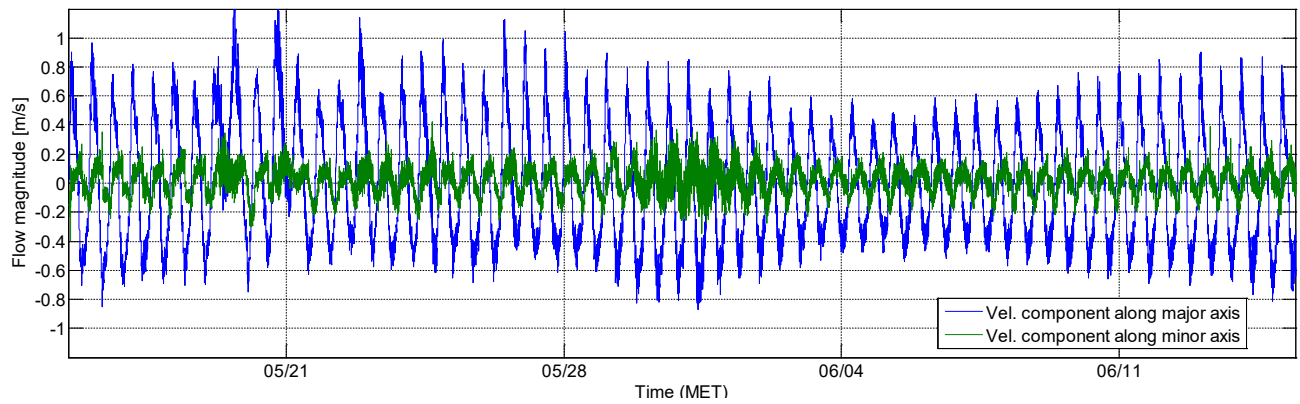
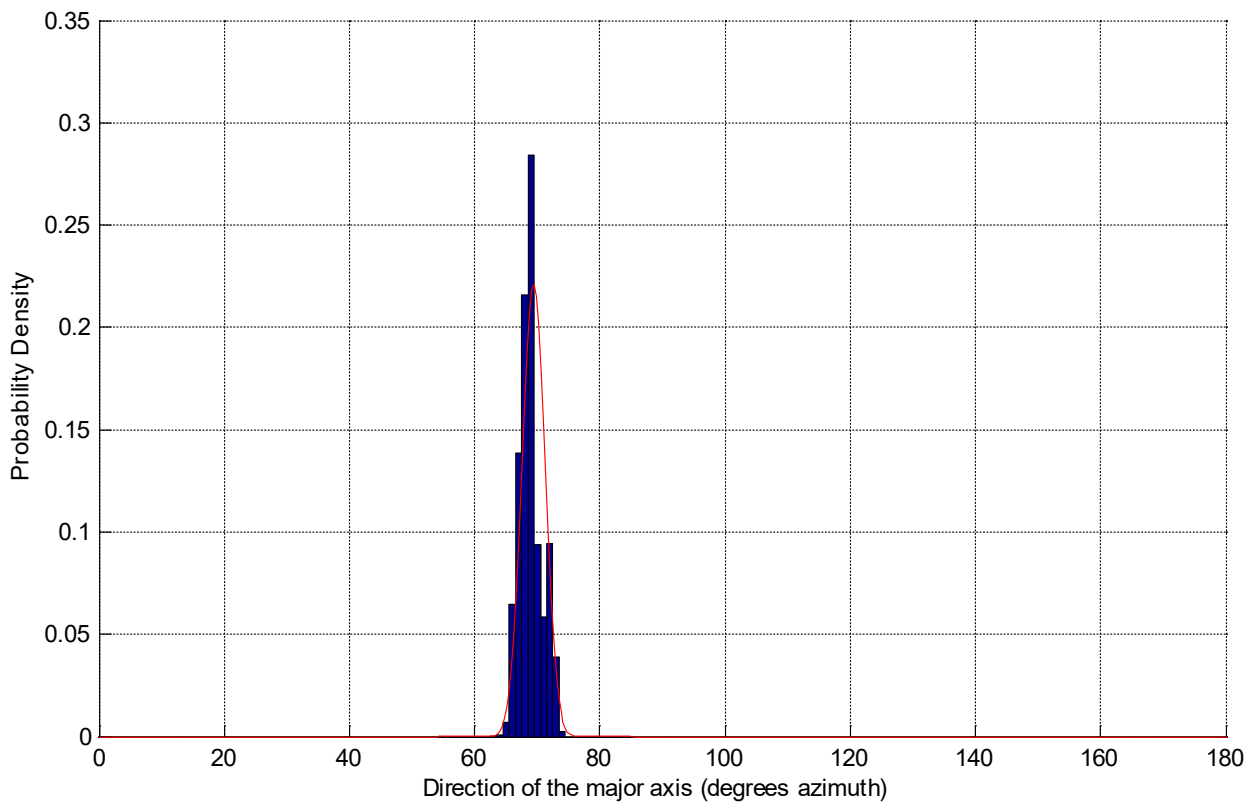


Figure 59 - Tripod deployment MOW1 (ADP): May - June 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.4°, dev=1.80°



D.2.3 Tripod deployment MOW1 (ADP): July 2007

Figure 60 - Tripod deployment MOW1 (ADP): July 2007 - UV-diagram with tidal ellipse [m/s] at ~1.20mab (profile-averaged) derived through tidal analyses (10 constituents)

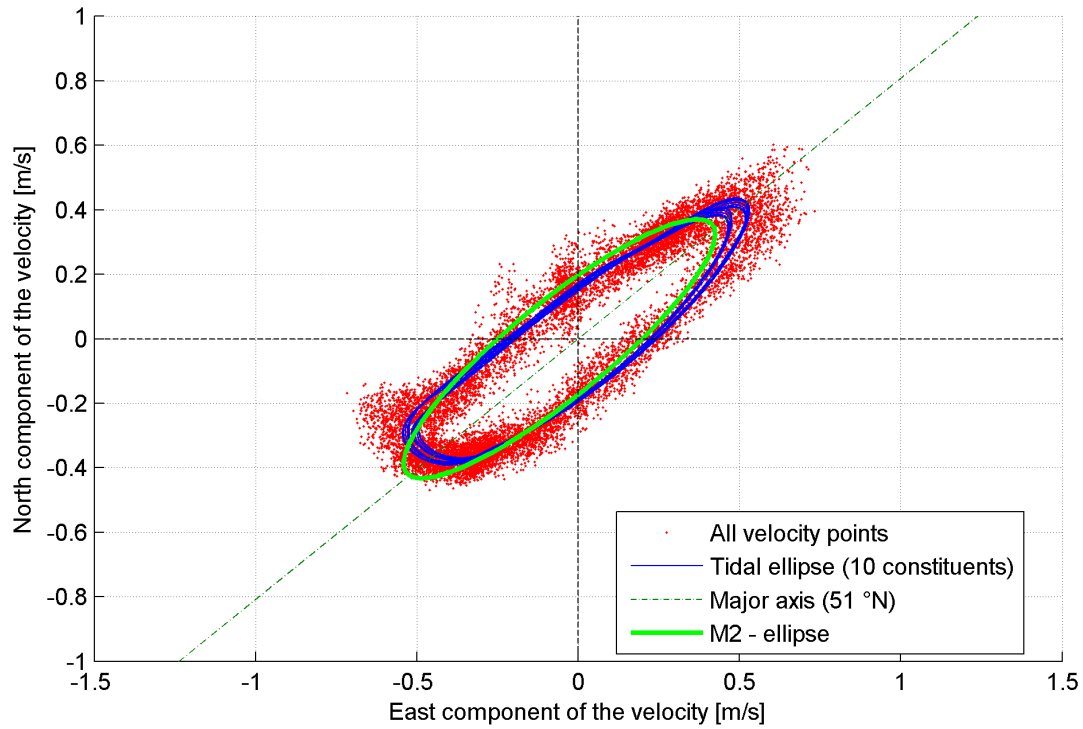


Figure 61 - Tripod deployment MOW1 (ADP): July 2007 - East and North velocity components [m/s] at ~1.20mab (profile-averaged)

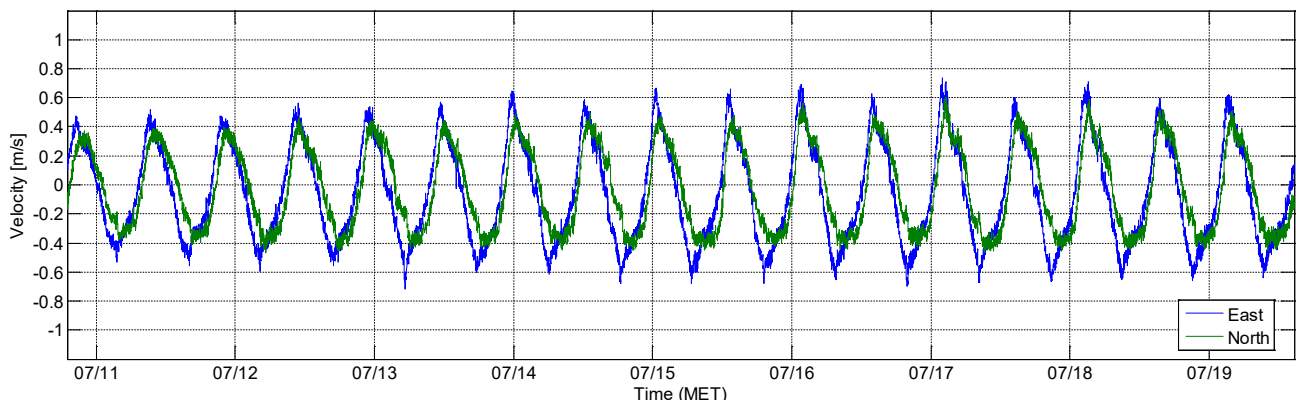


Figure 62 - Tripod deployment MOW1 (ADP): July 2007 - Flow decomposed along the estimated major axis (51°N) [m/s] at ~1.20mab (profile-averaged)

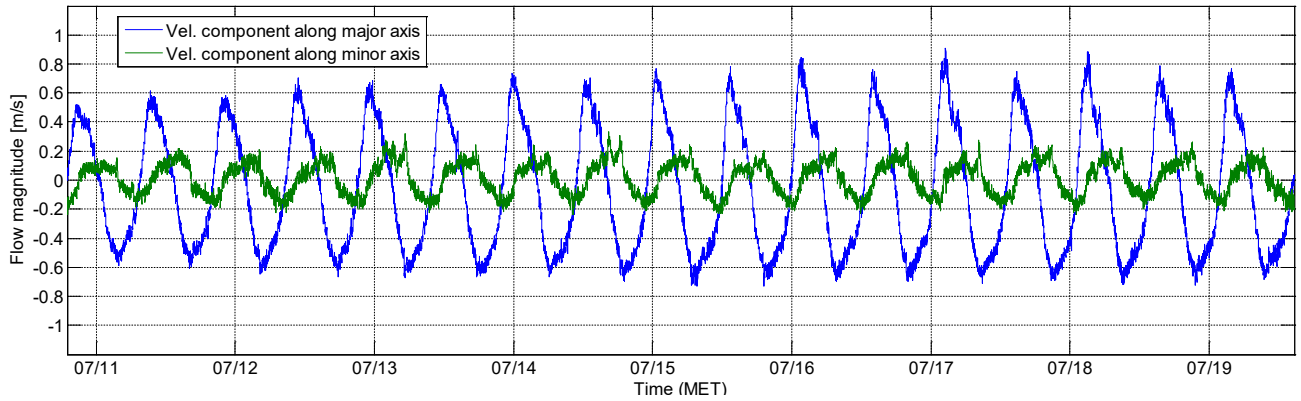
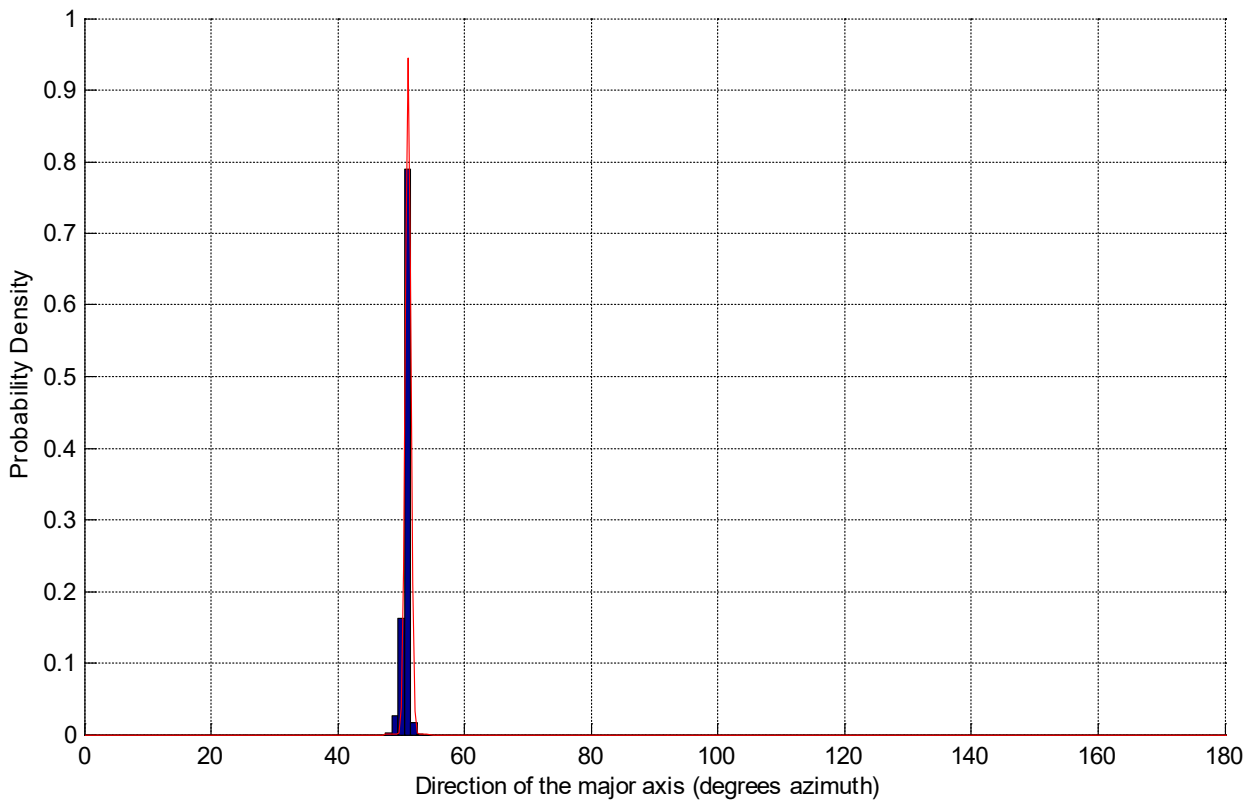


Figure 63 - Tripod deployment MOW1 (ADP): July 2007 - Probability density of major axis direction.
Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=51.1°, dev=0.42°



D.2.4 Tripod deployment MOW1 (ADP): October - November 2007

Figure 64 - Tripod deployment MOW1 (ADP): October - November 2007 - UV-diagram with tidal ellipse [m/s] at 1.18m derived through tidal analyses (36 constituents)

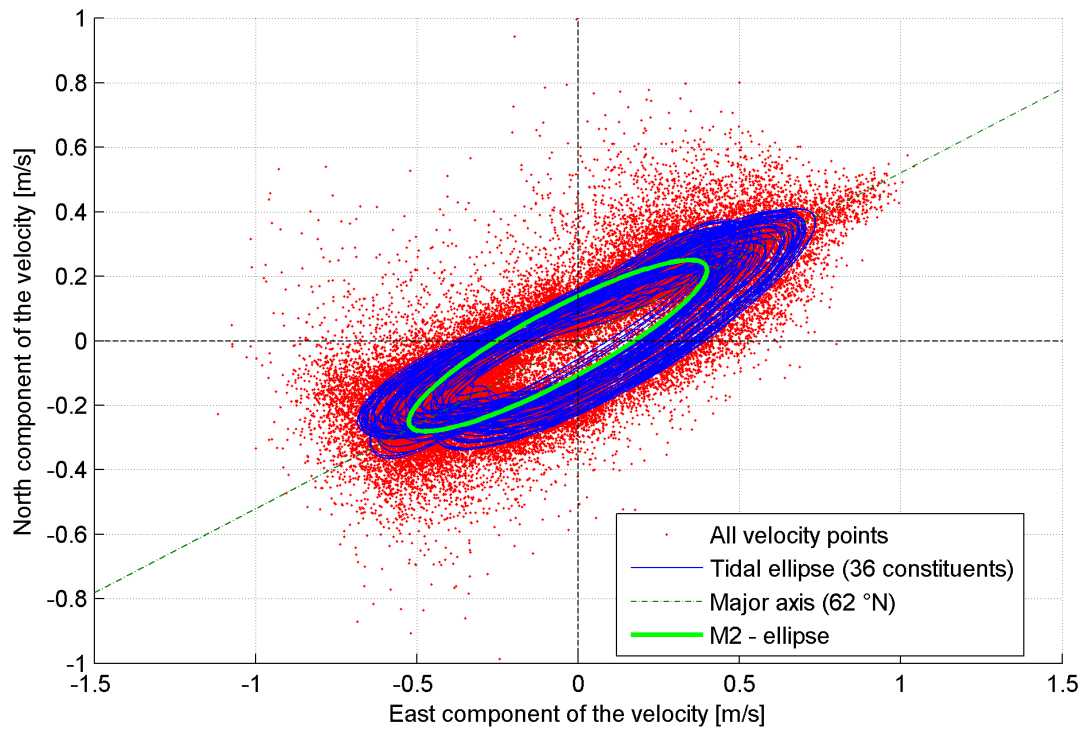


Figure 65 - Tripod deployment MOW1 (ADP): October - November 2007 - East and North velocity components [m/s] at ~1.18mab (profile-averaged)

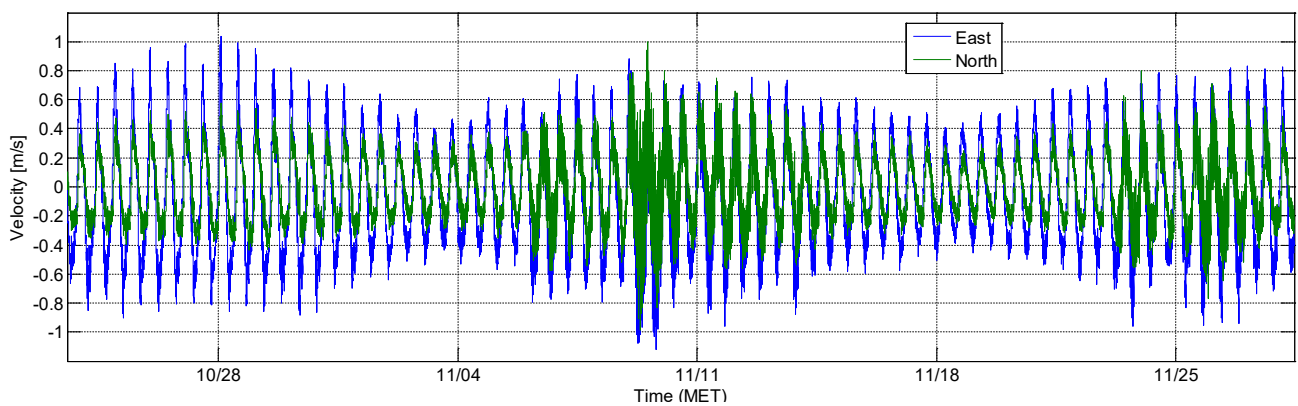


Figure 66 - Tripod deployment MOW1 (ADP): October - November 2007 - Flow decomposed along the estimated major axis (62°N) [m/s] at ~1.18mab (profile-averaged)

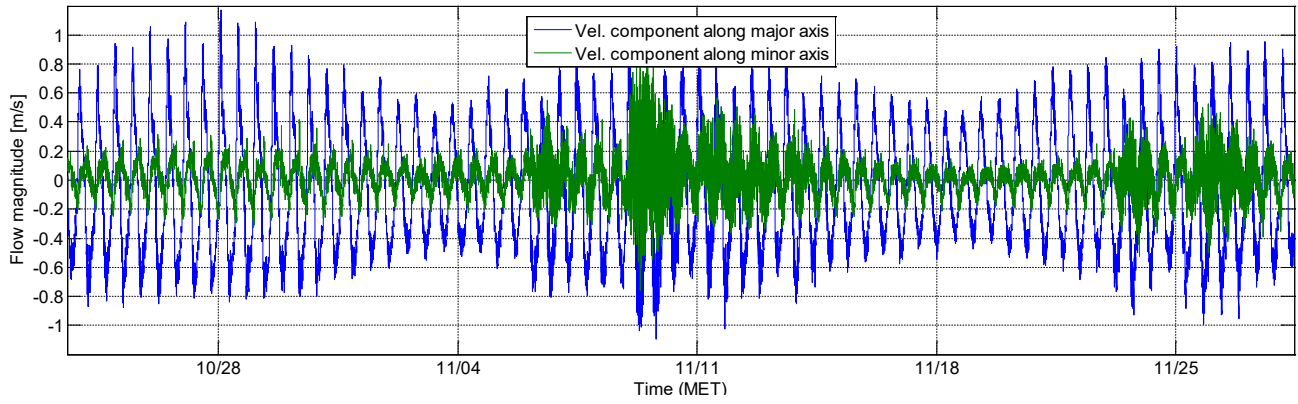
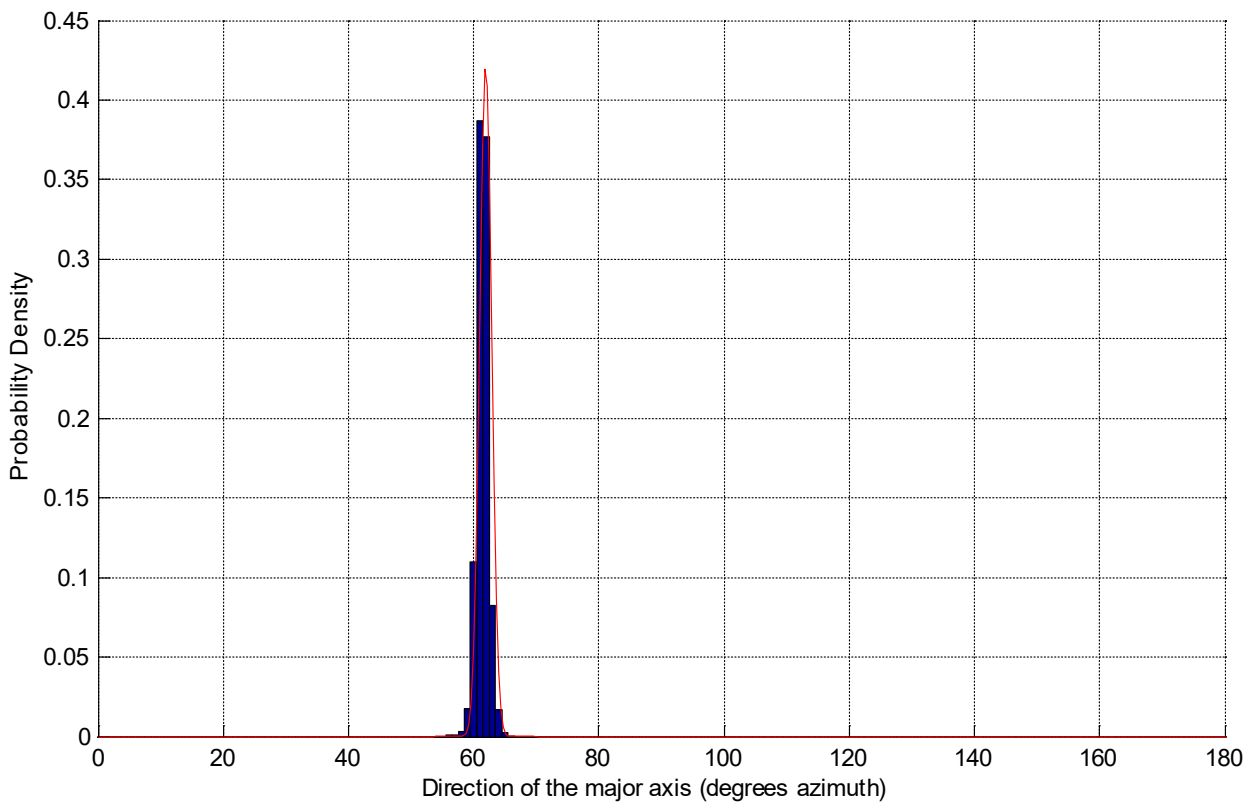


Figure 67 - Tripod deployment MOW1 (ADP): October - November 2007 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=61.9°, dev=0.94°



D.2.5 Tripod deployment MOW1 (ADP): November - December 2008

Figure 68 - Tripod deployment MOW1 (ADP): November - December 2008 - UV-diagram with tidal ellipse [m/s] at ~1.16mab (profile-averaged) derived through tidal analyses (18 constituents)

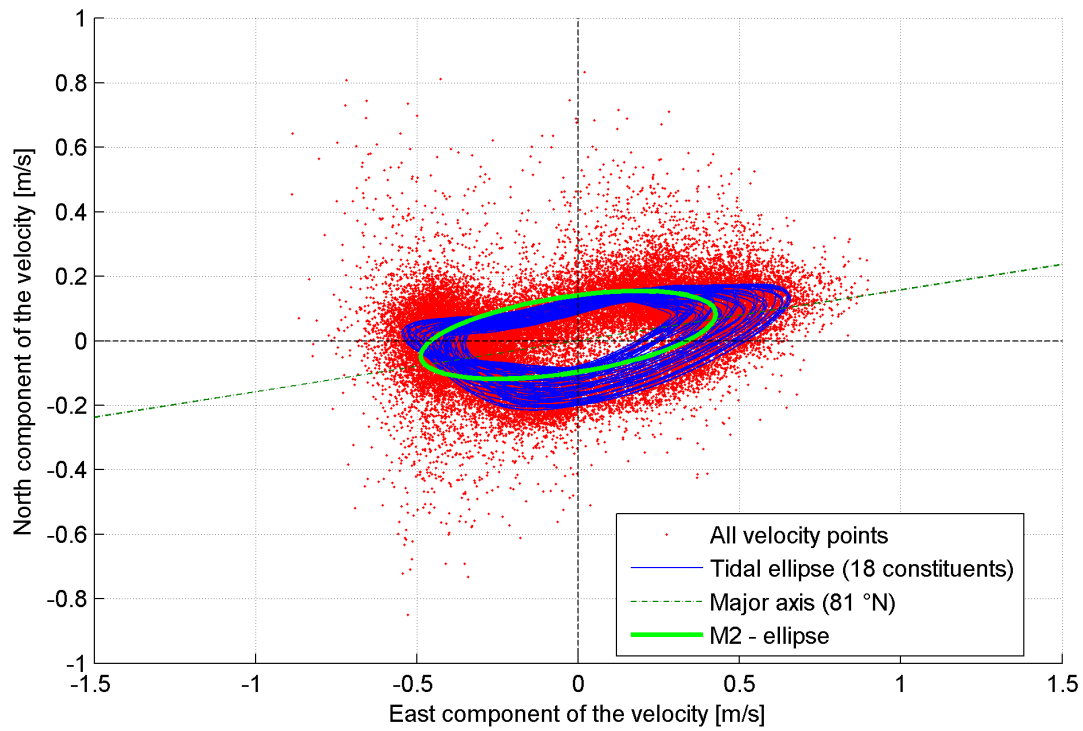


Figure 69 - Tripod deployment MOW1 (ADP): November - December 2008 - East and North velocity components [m/s] at ~1.16mab (profile-averaged)

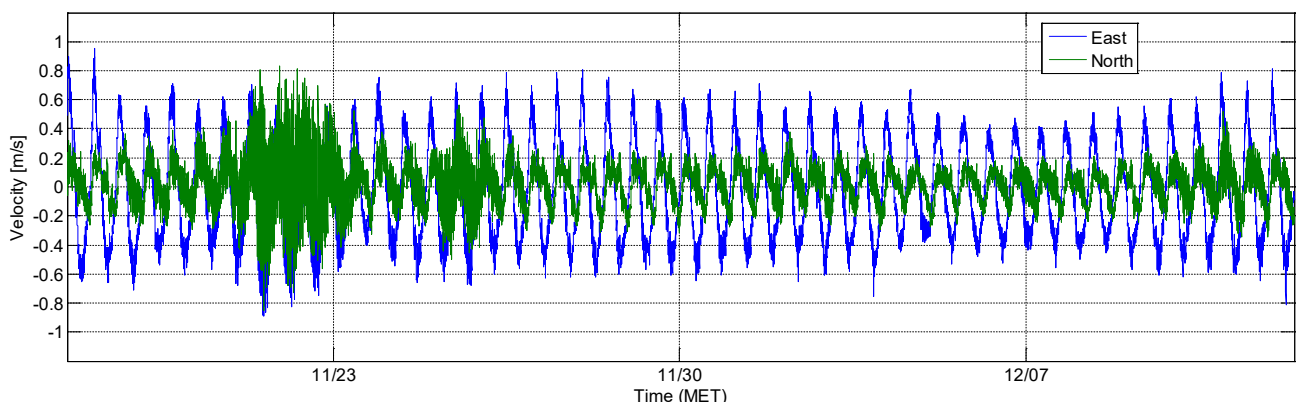


Figure 70 - Tripod deployment MOW1 (ADP): November - December 2008 - Flow decomposed along the estimated major axis (81°N) [m/s] at ~1.16mab (profile-averaged)

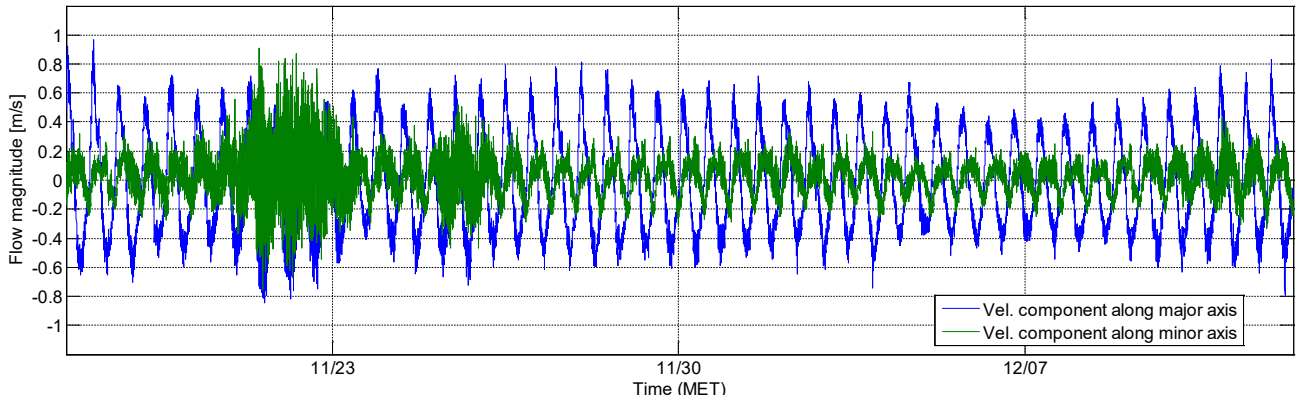
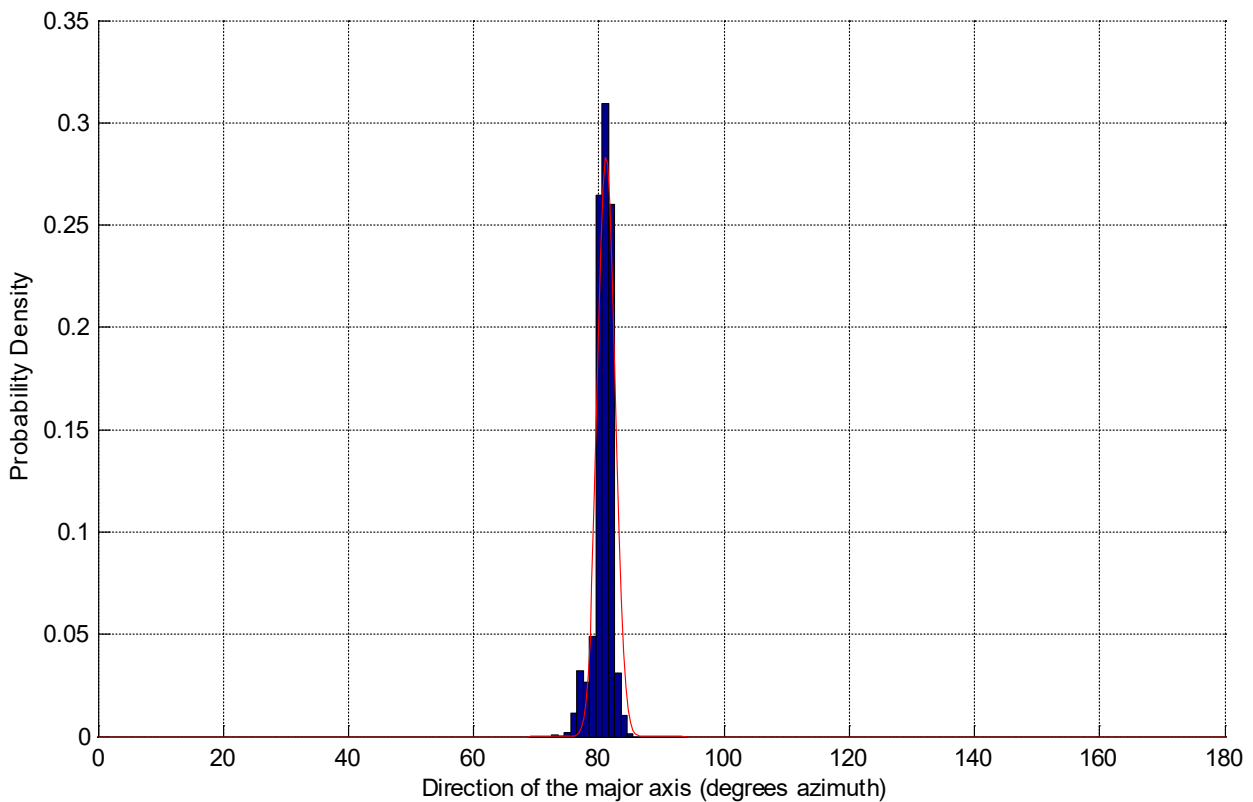


Figure 71 - Tripod deployment MOW1 (ADP): November - December 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=81.2°, dev=1.40°



D.2.6 Tripod deployment MOW1 (ADP): February - March 2009

Figure 72 - Tripod deployment MOW1 (ADP): February - March 2009 - UV-diagram with tidal ellipse [m/s] at 1.50m derived through tidal analyses (36 constituents)

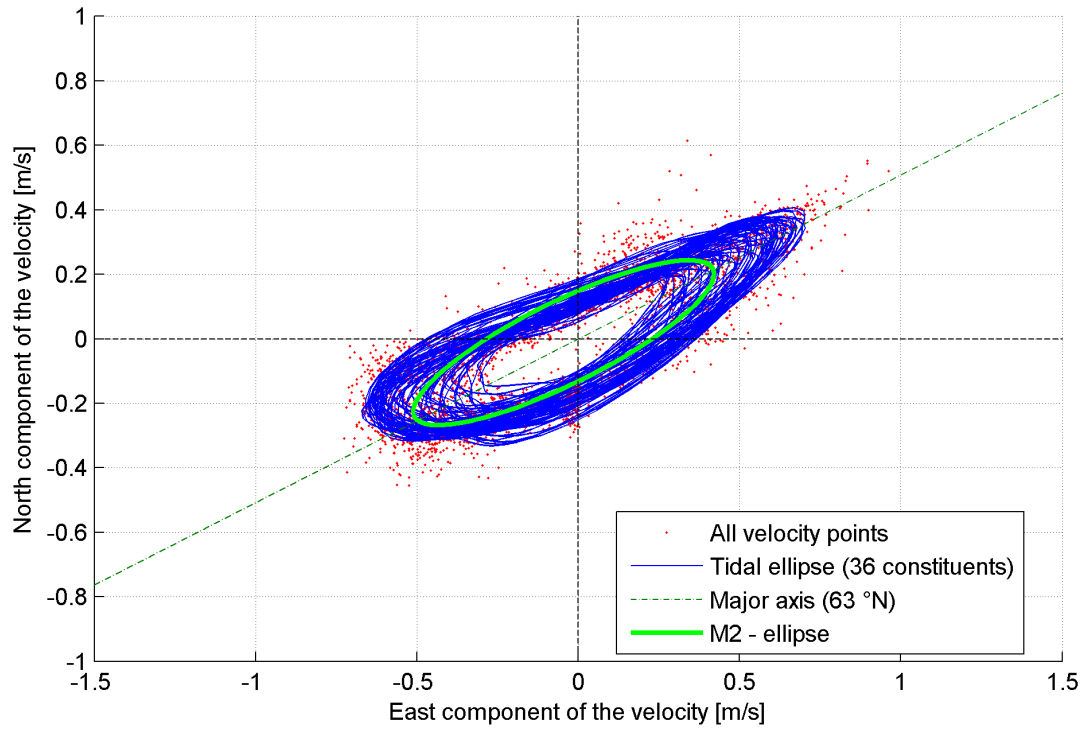


Figure 73 - Tripod deployment MOW1 (ADP): February - March 2009 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

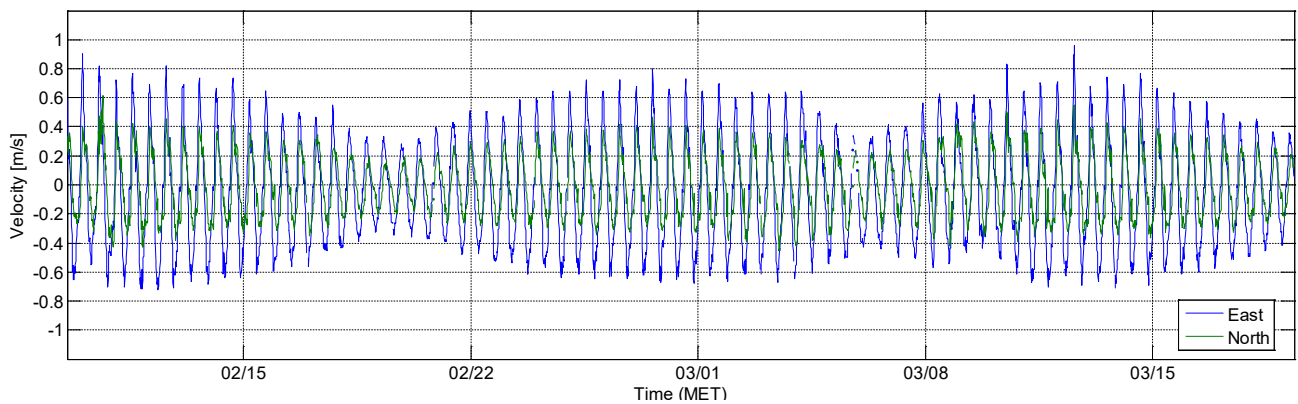


Figure 74 - Tripod deployment MOW1 (ADP): February - March 2009 - Flow decomposed along the estimated major axis (63°N) [m/s] at ~1.50mab (profile-averaged)

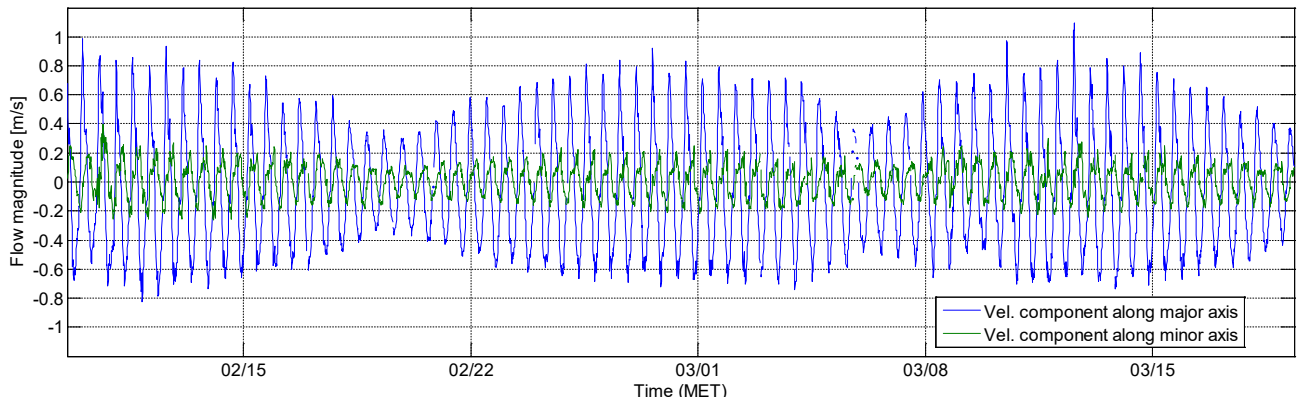


Figure 75 - Tripod deployment MOW1 (ADP): February - March 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.9°, dev=1.57°

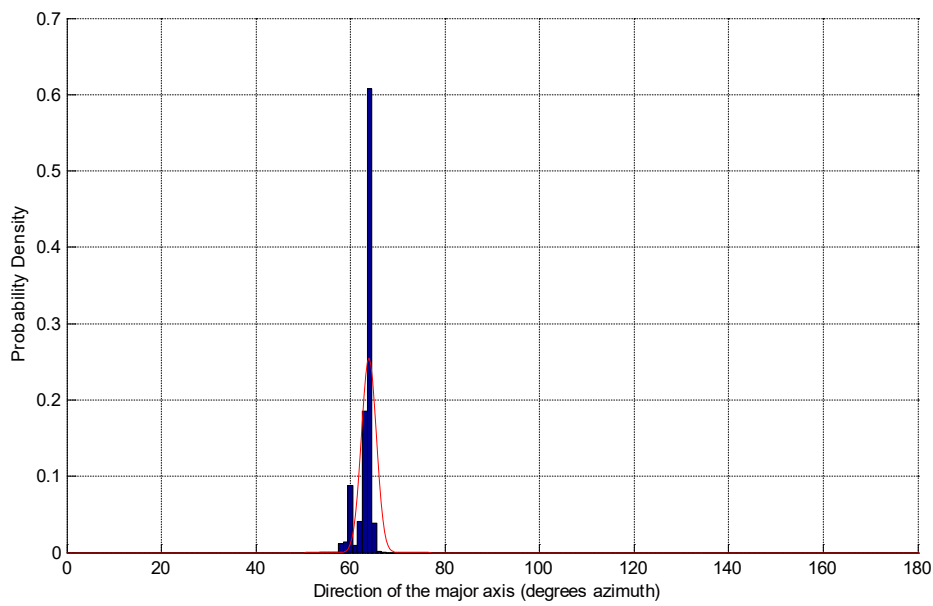
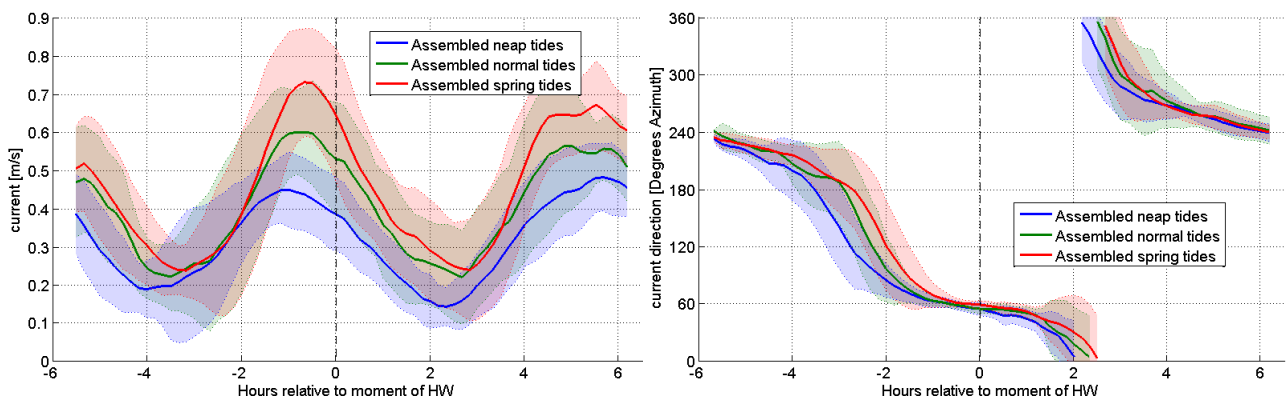


Figure 76 - Tripod deployment MOW1 (ADP): 09/02/2009 - 19/03/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.7 Tripod deployment MOW1 (ADP): March - April 2009

Figure 77 - Tripod deployment MOW1 (ADP): March - April 2009 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

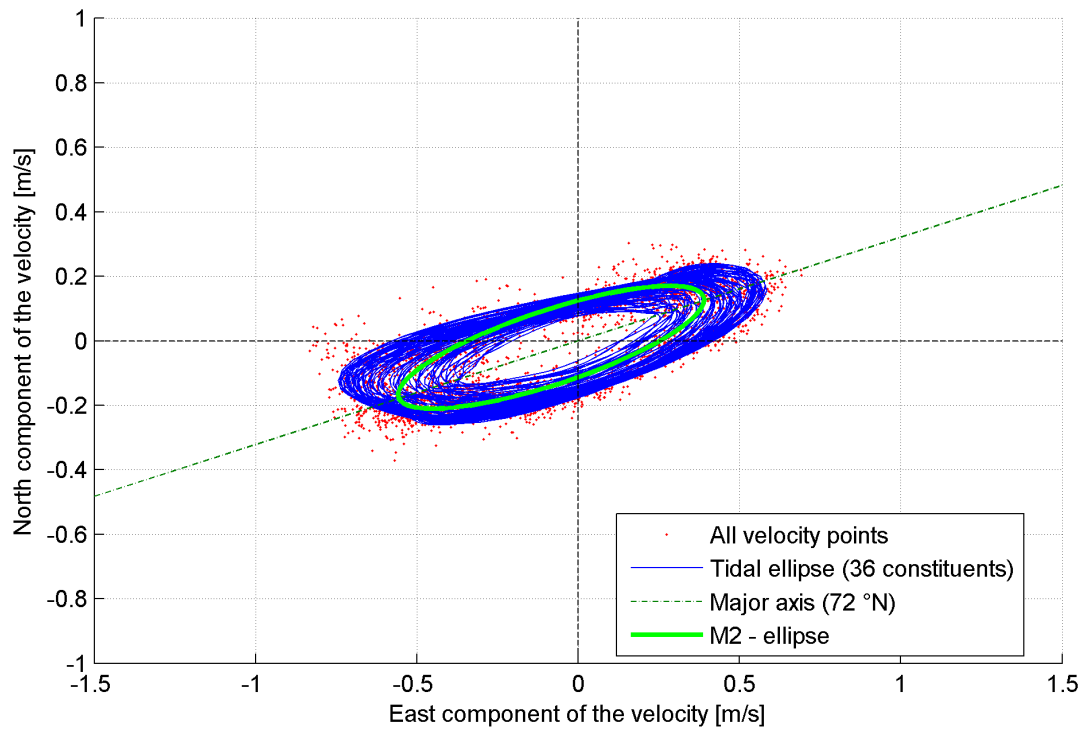


Figure 78 - Tripod deployment MOW1 (ADP): March - April 2009 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

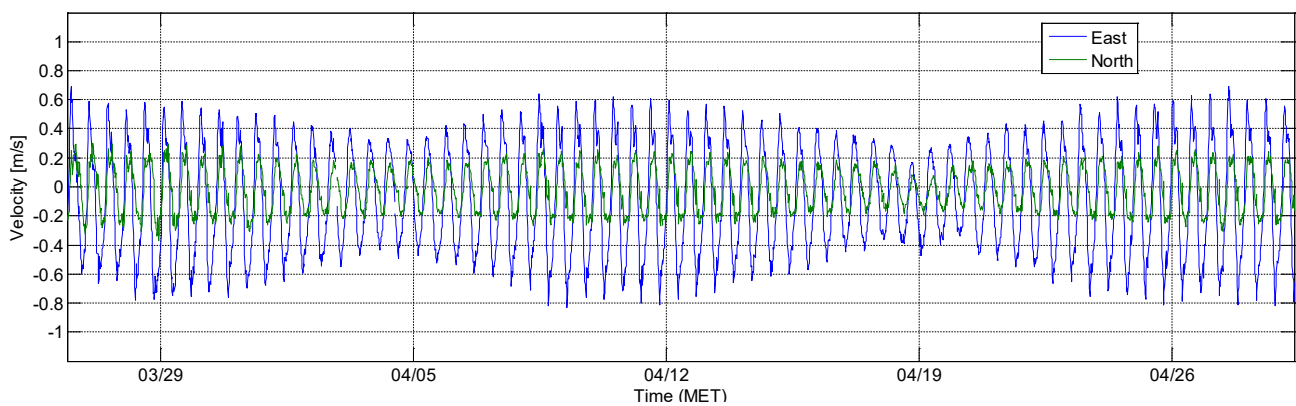


Figure 79 - Tripod deployment MOW1 (ADP): March - April 2009 - Flow decomposed along the estimated major axis (72°N) [m/s] at ~1.50mab (profile-averaged)

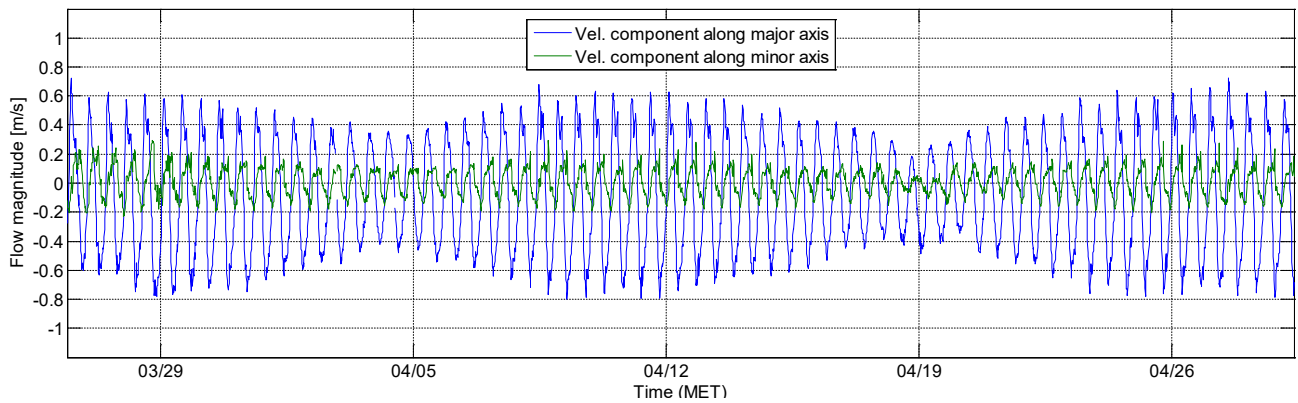


Figure 80 - Tripod deployment MOW1 (ADP): March - April 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.3°, dev=0.44°

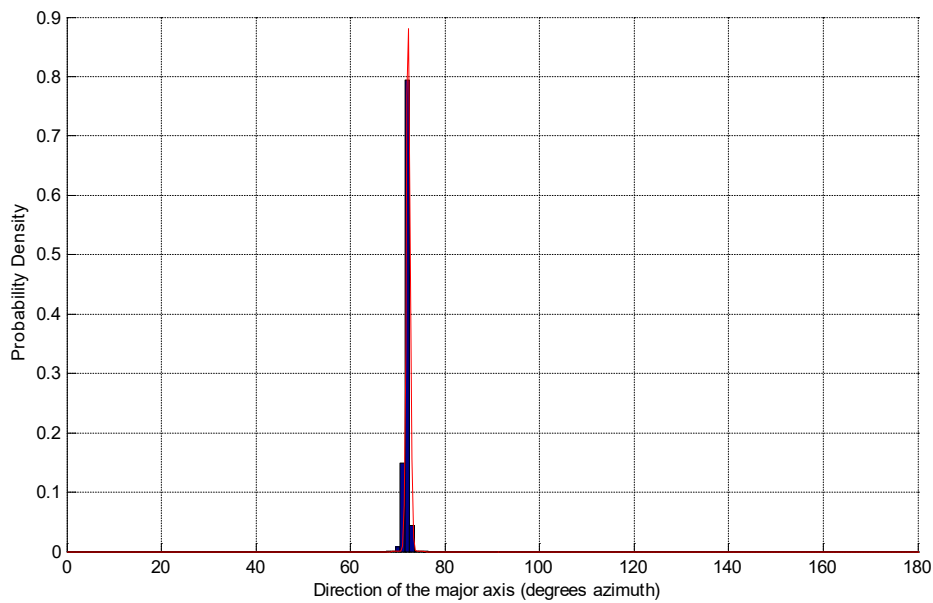
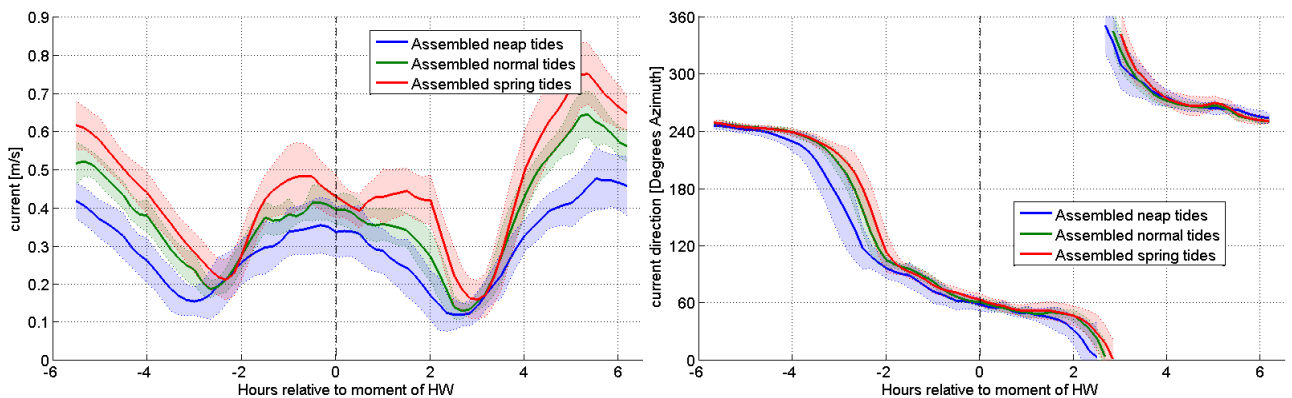


Figure 81 - Tripod deployment MOW1 (ADP): 26/03/2009 - 29/04/2009 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab



D.2.8 Tripod deployment MOW1 (ADP): September - October 2009

Figure 82 - Tripod deployment MOW1 (ADP): September - October 2009 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

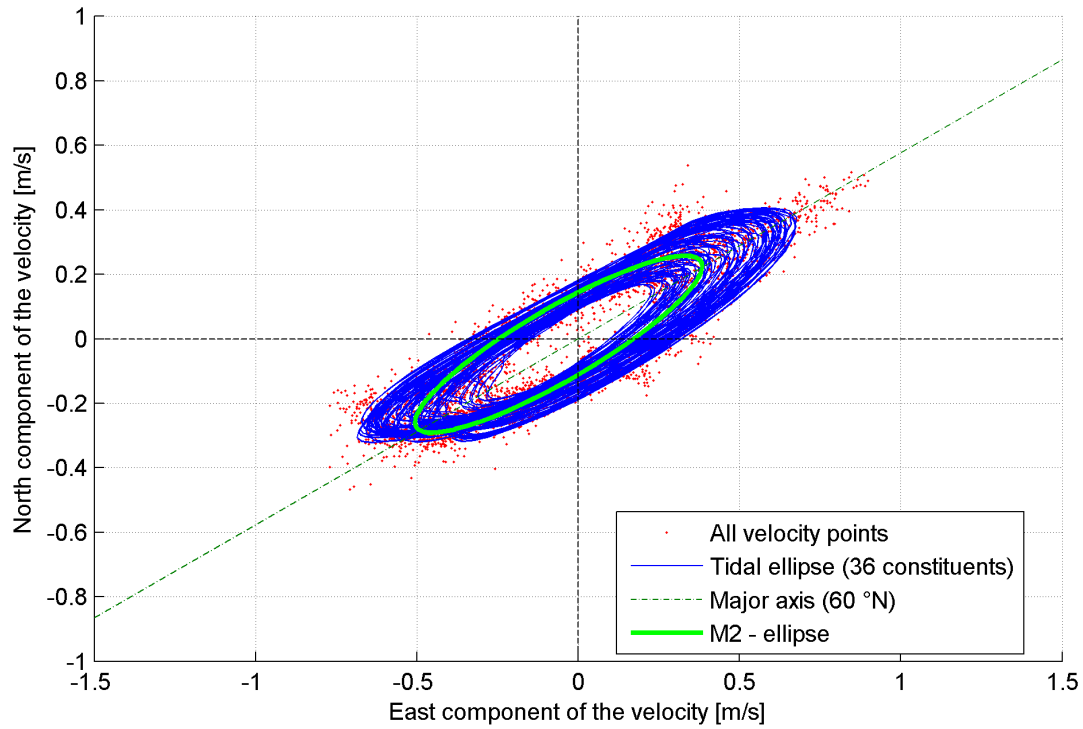


Figure 83 - Tripod deployment MOW1 (ADP): September - October 2009 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

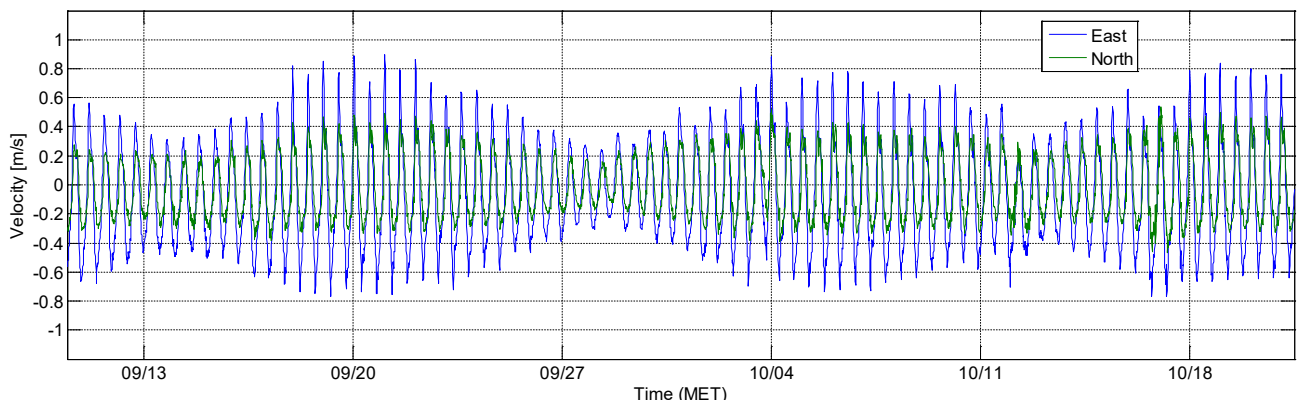


Figure 84 - Tripod deployment MOW1 (ADP): September - October 2009 - Flow decomposed along the estimated major axis (60°N) [m/s] at ~1.50mab (profile-averaged)

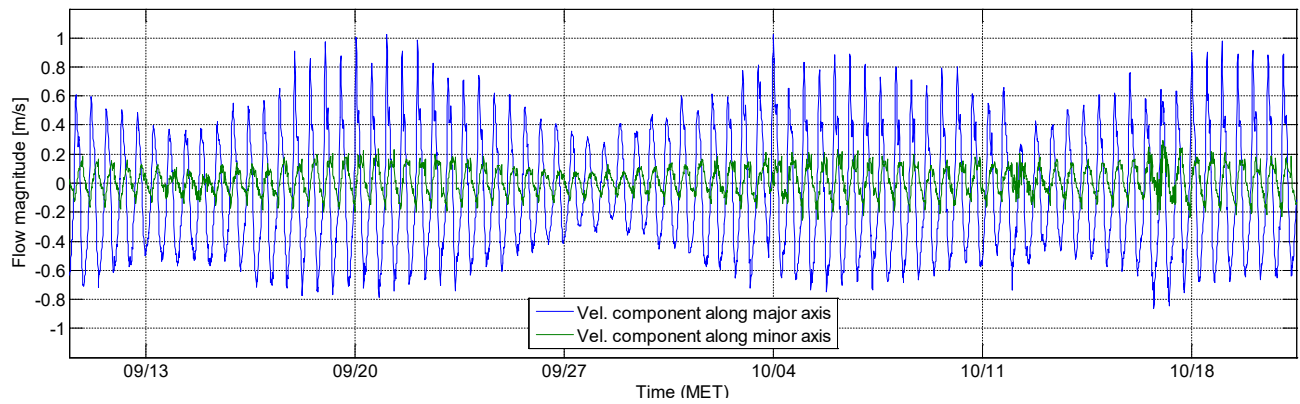
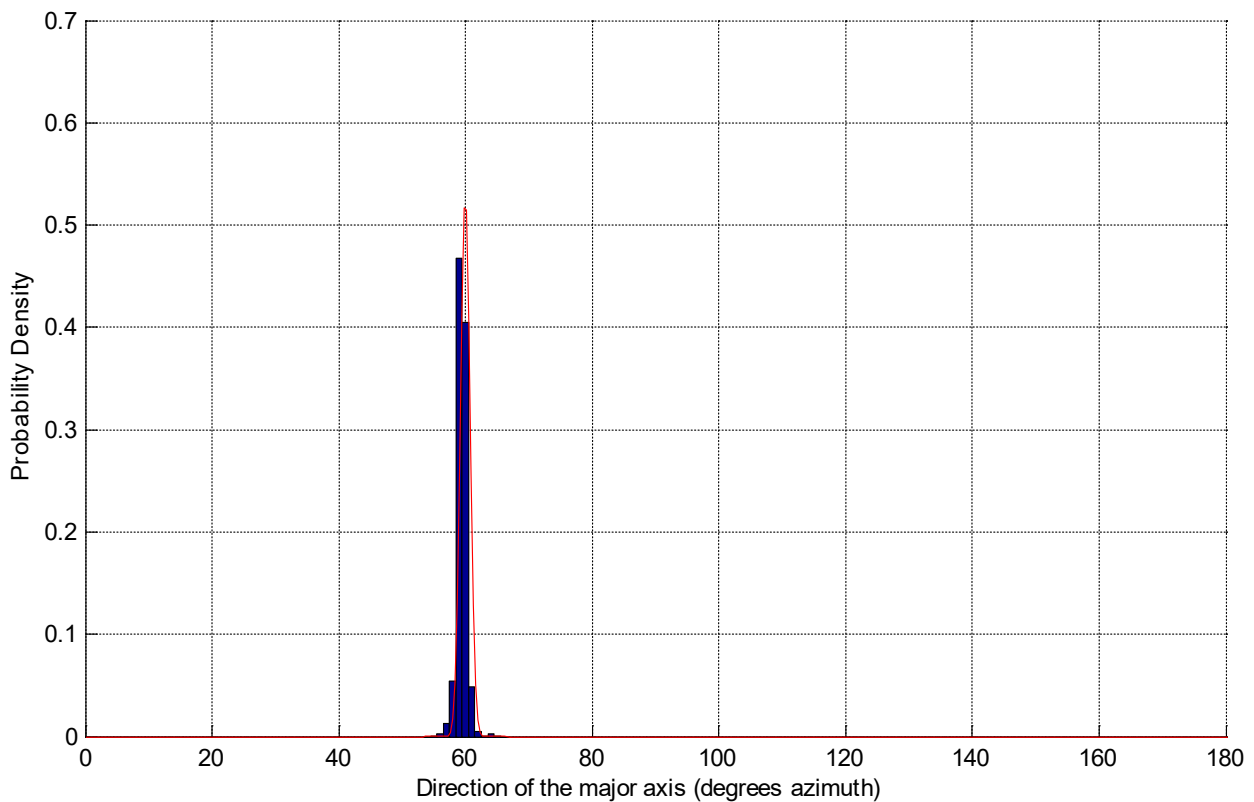


Figure 85 - Tripod deployment MOW1 (ADP): September - October 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=59.9°, dev=0.75°



D.2.9 Tripod deployment MOW1 (ADP): November - December 2009

Figure 86 - Tripod deployment MOW1 (ADP): November - December 2009 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

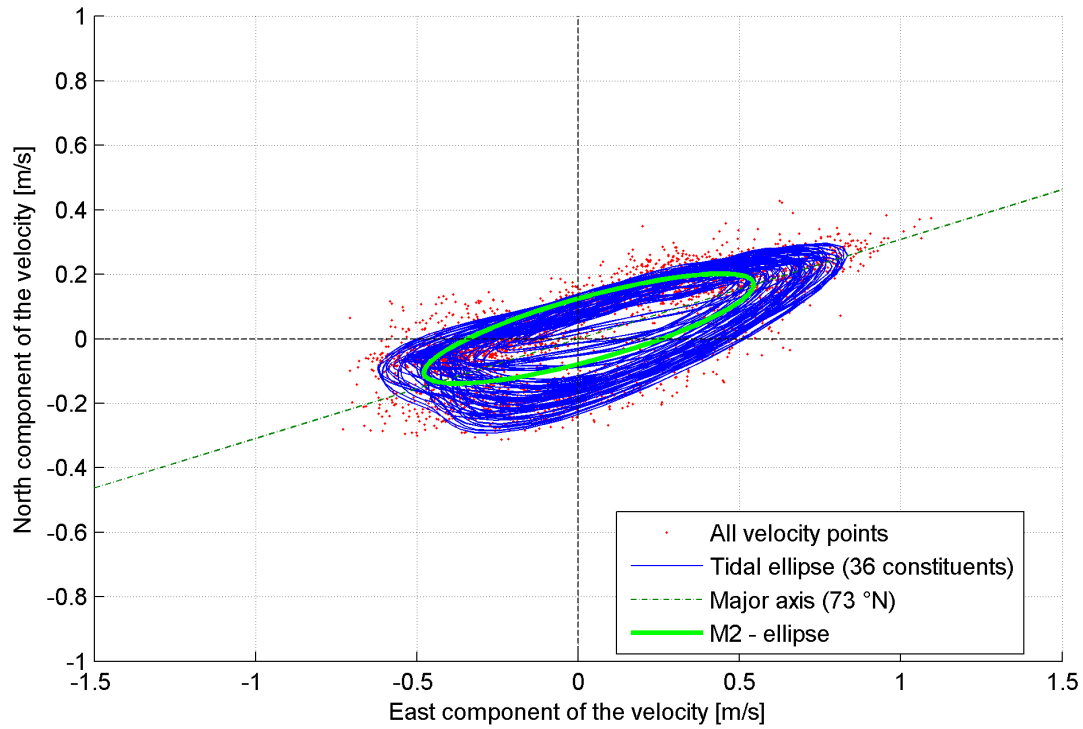


Figure 87 - Tripod deployment MOW1 (ADP): November - December 2009 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

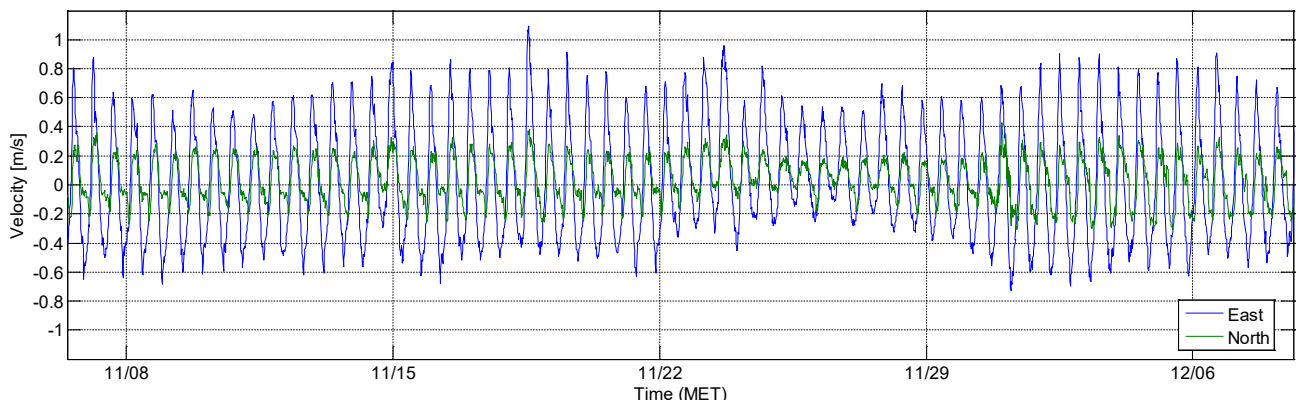


Figure 88 - Tripod deployment MOW1 (ADP): November - December 2009 - Flow decomposed along the estimated major axis (73°N) [m/s] at ~1.50mab (profile-averaged)

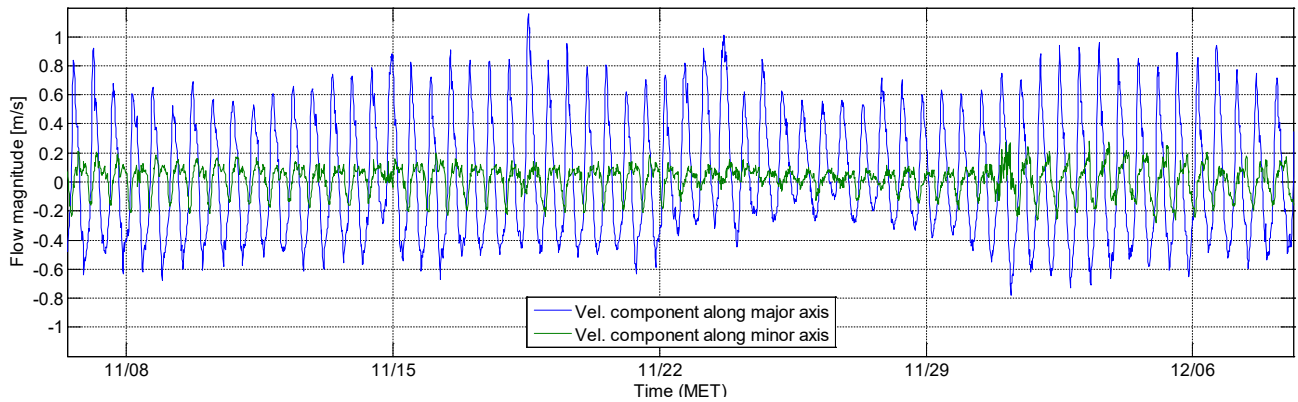


Figure 89 - Tripod deployment MOW1 (ADP): November - December 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.9°, dev=0.62°

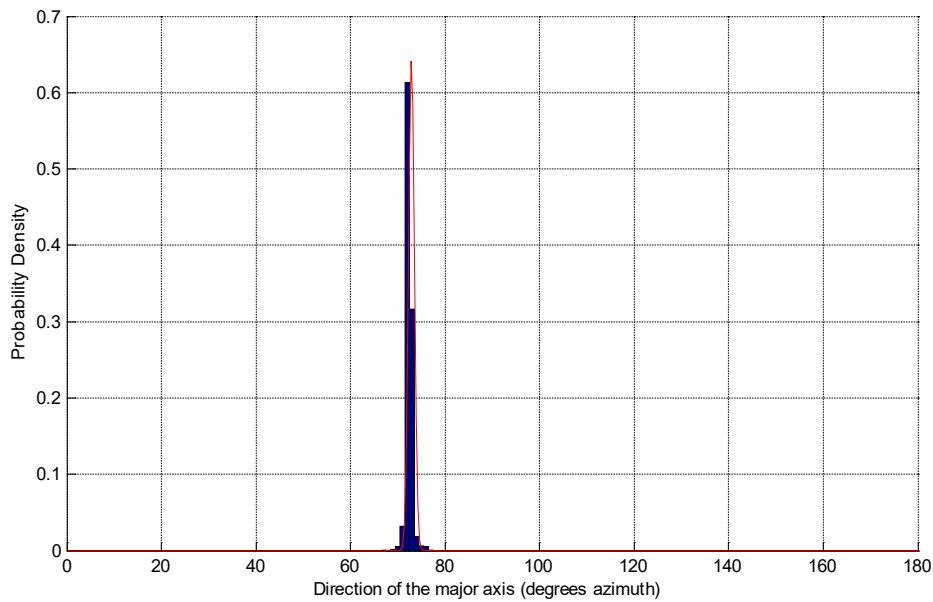
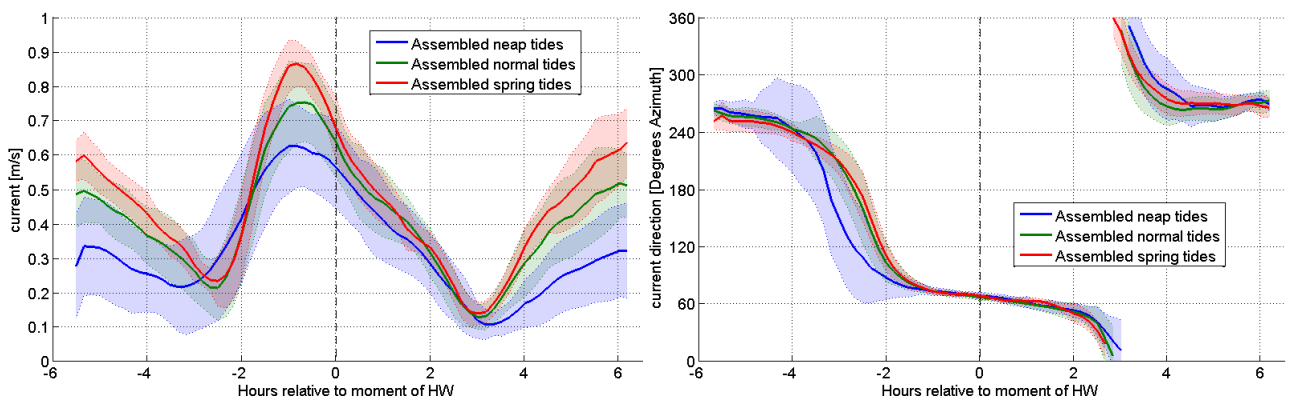


Figure 90 - Tripod deployment MOW1 (ADP): 06/11/2009 - 08/12/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.10 Tripod deployment MOW1 (ADP): December 2009 - January 2010

Figure 91 - Tripod deployment MOW1 (ADP): December 2009 - January 2010 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

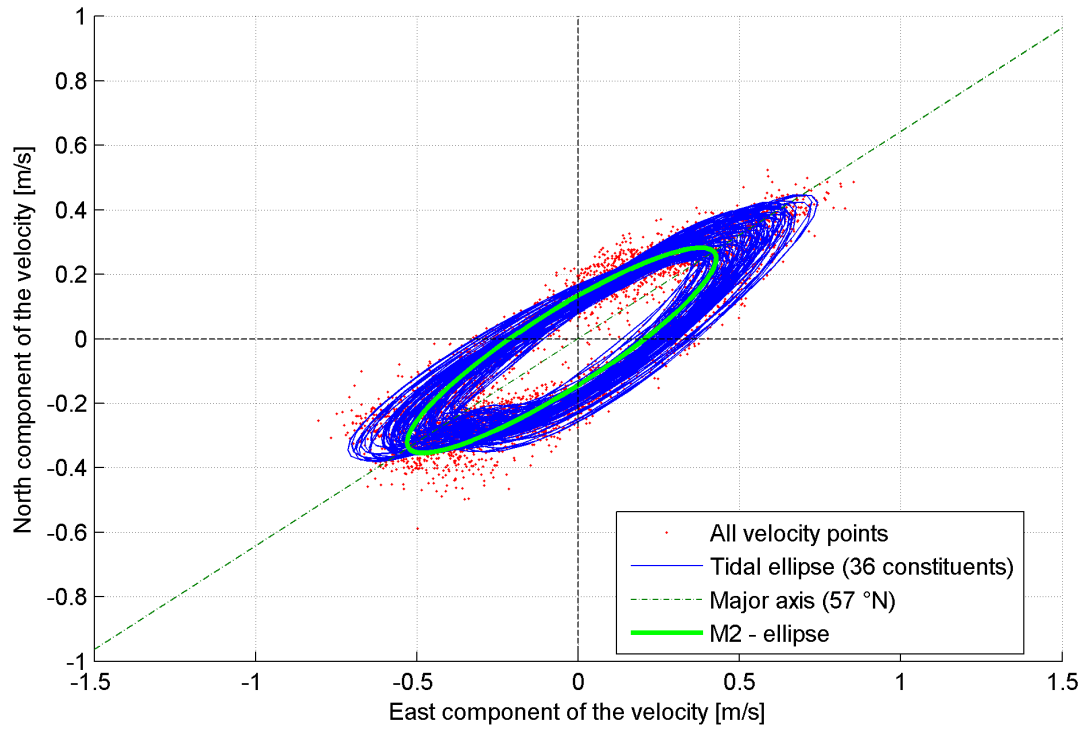


Figure 92 - Tripod deployment MOW1 (ADP): December 2009 - January 2010 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

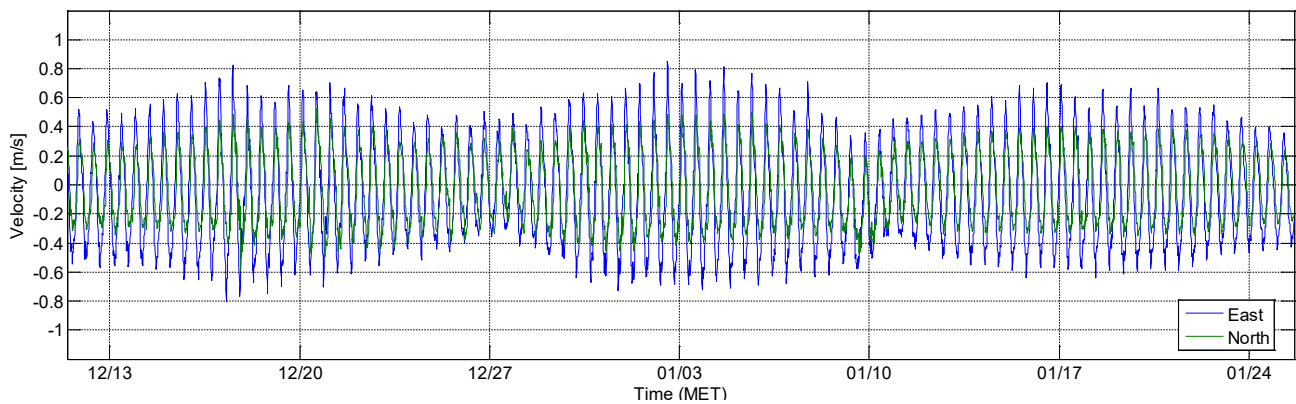


Figure 93 - Tripod deployment MOW1 (ADP): December 2009 - January 2010 - Flow decomposed along the estimated major axis (57°N) [m/s] at ~1.50mab (profile-averaged)

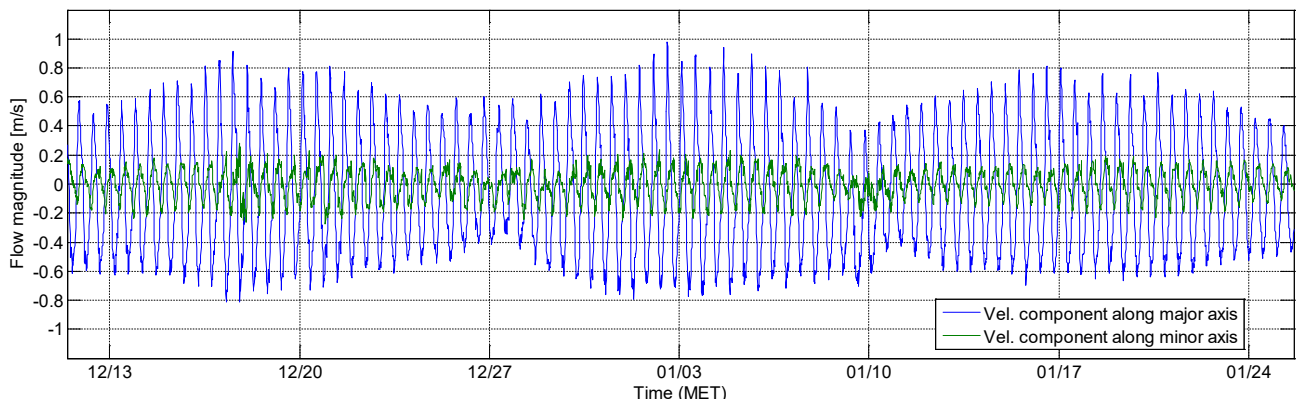


Figure 94 - Tripod deployment MOW1 (ADP): December 2009 - January 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=57.0°, dev=1.00°

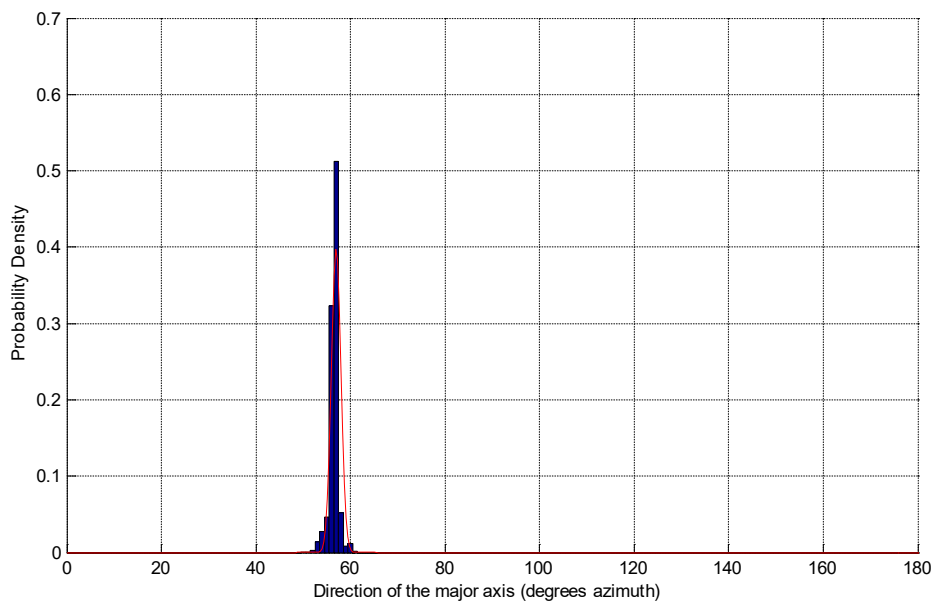
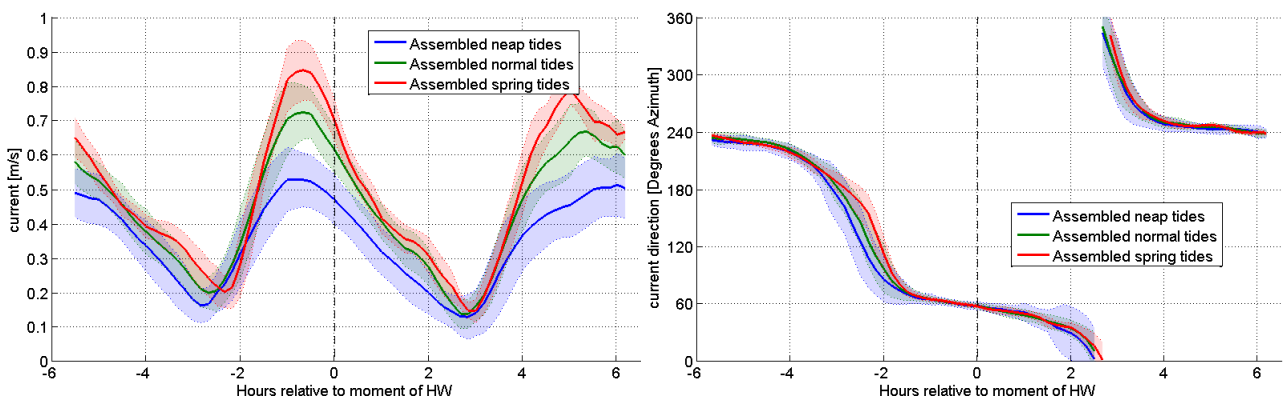


Figure 95 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab, MOW1, 11/12/2009 - 25/01/2010



D.2.11 Tripod deployment MOW1 (ADP): January - March 2010

Figure 96 - Tripod deployment MOW1 (ADP): January - March 2010 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

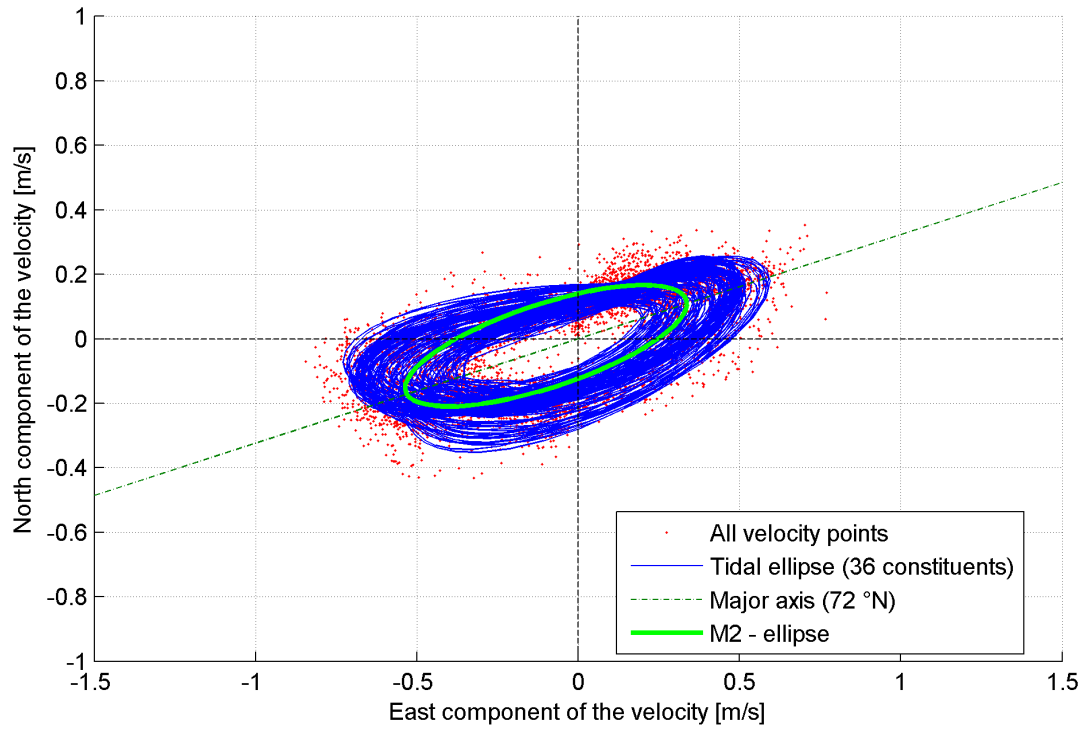


Figure 97 - Tripod deployment MOW1 (ADP): January - March 2010 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

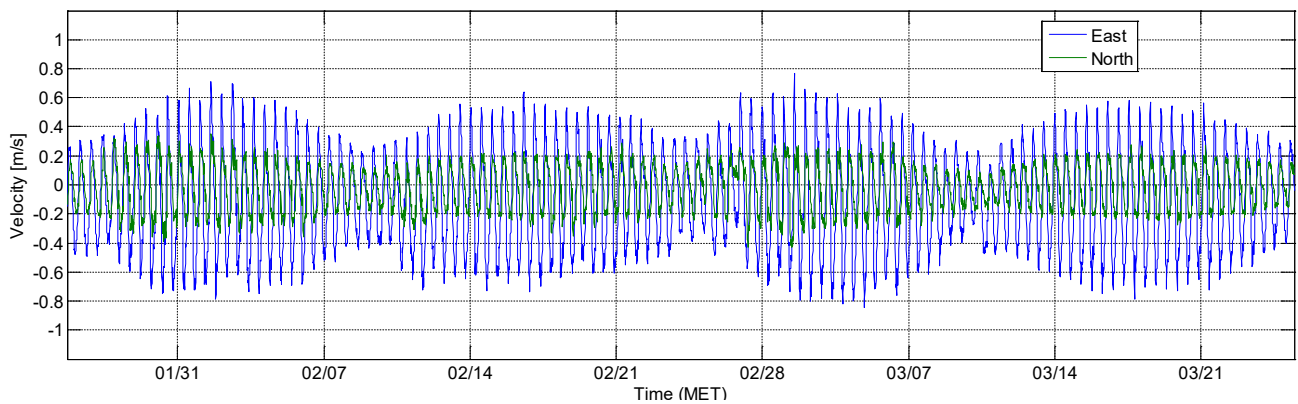


Figure 98 - Tripod deployment MOW1 (ADP): January - March 2010 - Flow decomposed along the estimated major axis (72°N) [m/s] at ~1.10mab (profile-averaged)

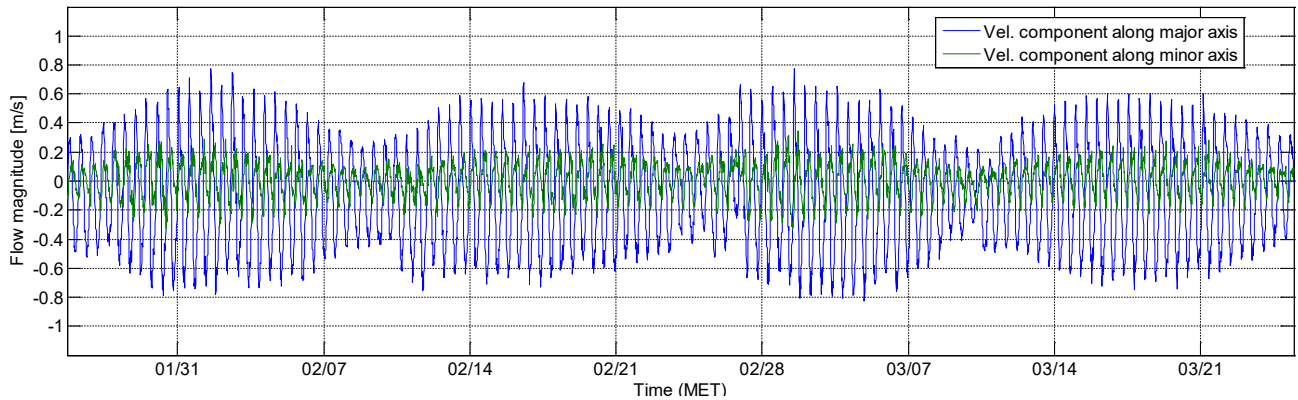


Figure 99 - Tripod deployment MOW1 (ADP): January - March 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.5°, dev=1.15°

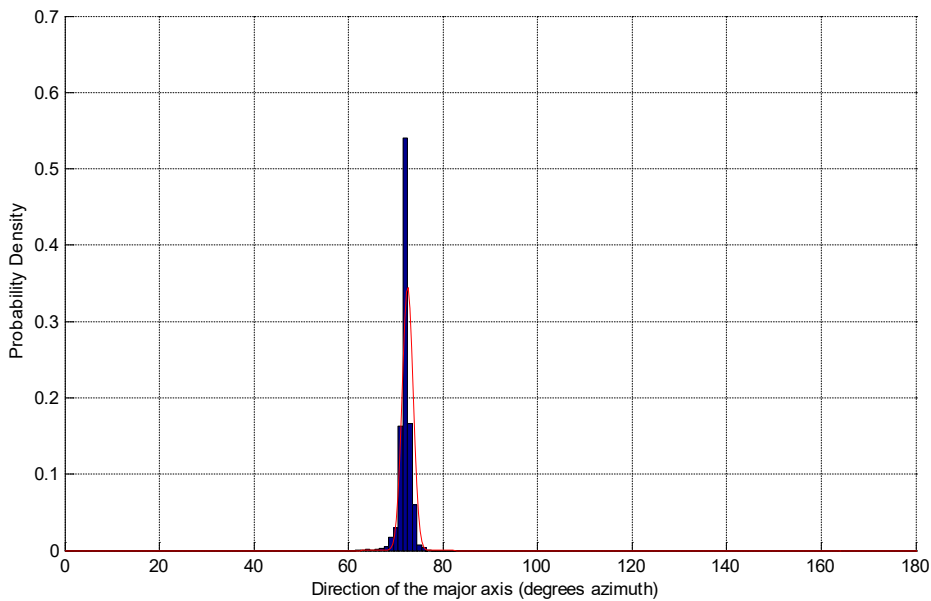
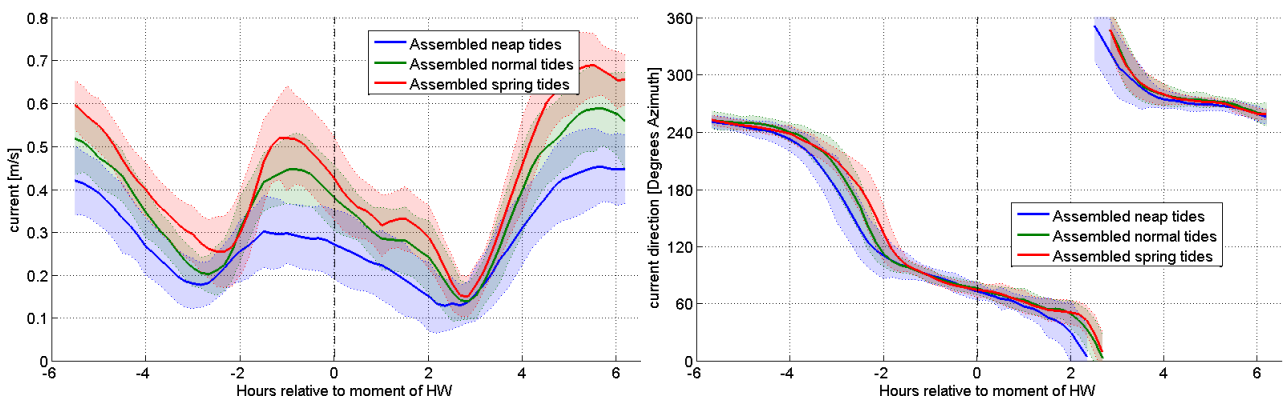


Figure 100 - Tripod deployment MOW1 (ADP): 25/01/2010 - 25/03/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.12 Tripod deployment MOW1 (ADP): May 2010

Figure 101 - Tripod deployment MOW1 (ADP): May 2010 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (10 constituents)

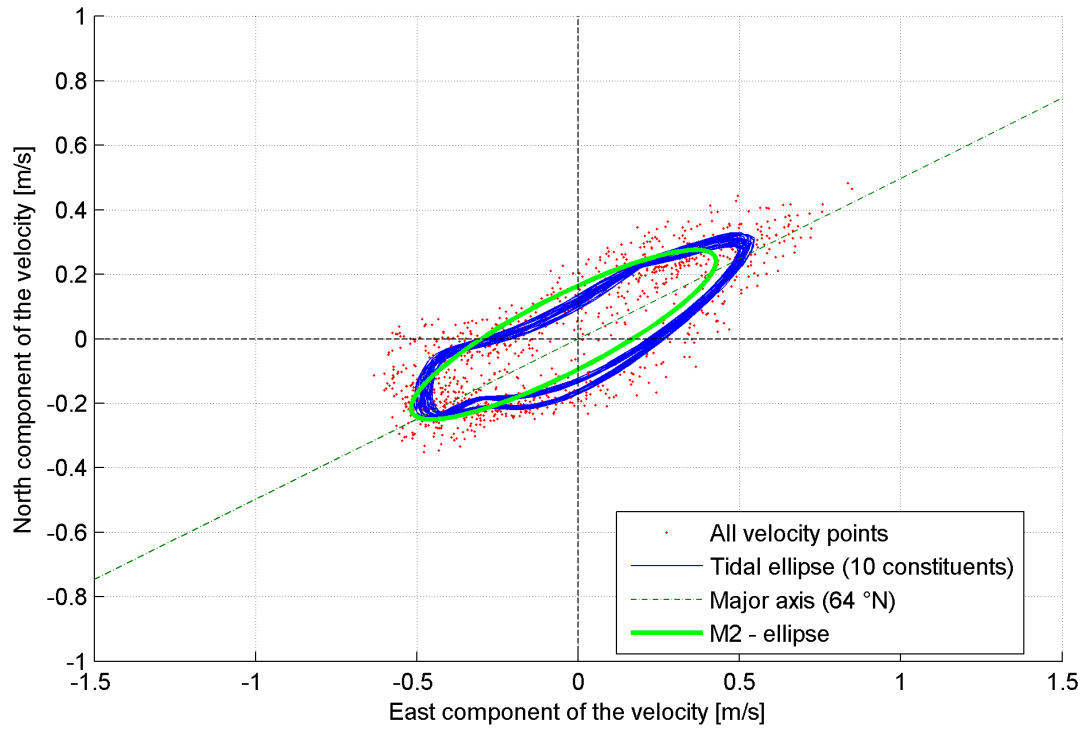


Figure 102 - Tripod deployment MOW1 (ADP): May 2010 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

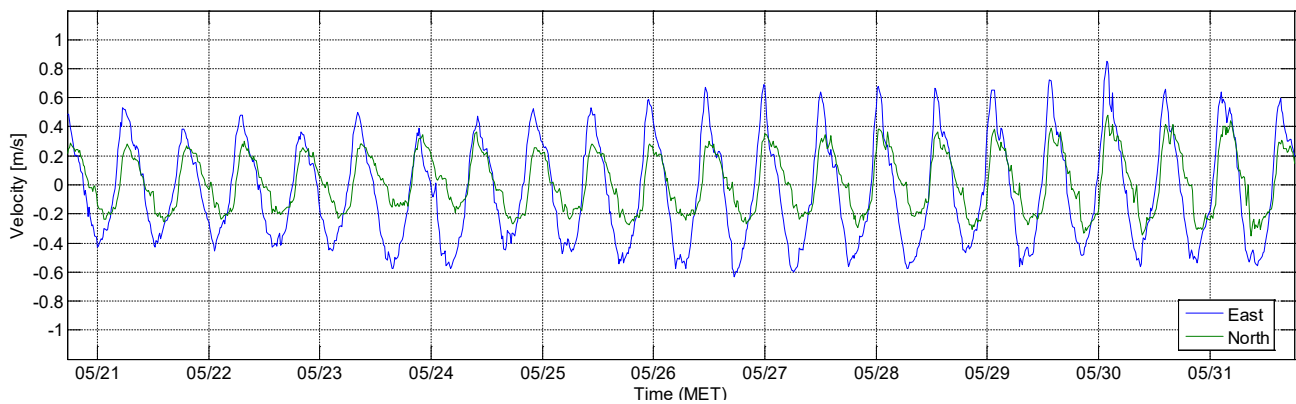


Figure 103 - Tripod deployment MOW1 (ADP): May 2010 - Flow decomposed along the estimated major axis (64°N) [m/s] at ~1.50mab (profile-averaged)

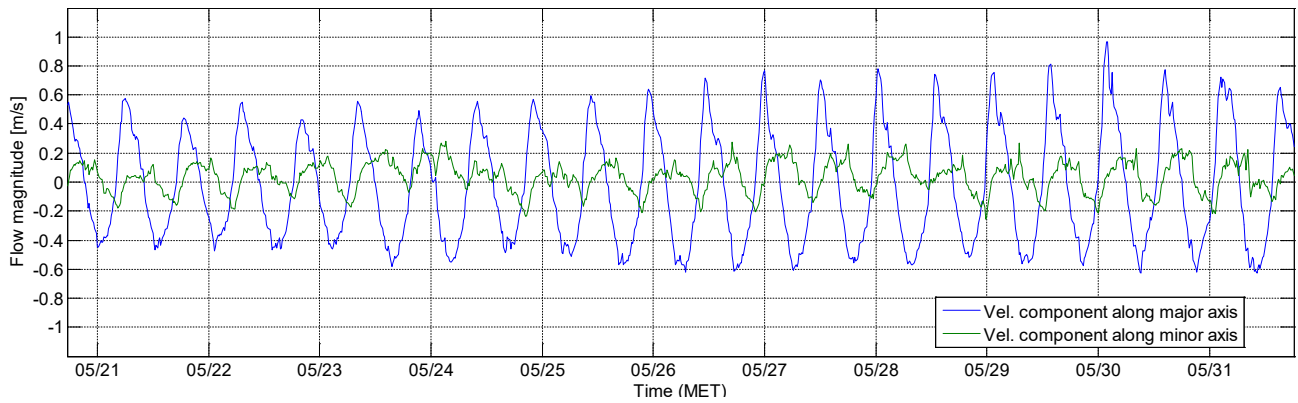


Figure 104 - Tripod deployment MOW1 (ADP): May 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.6°, dev=1.65°

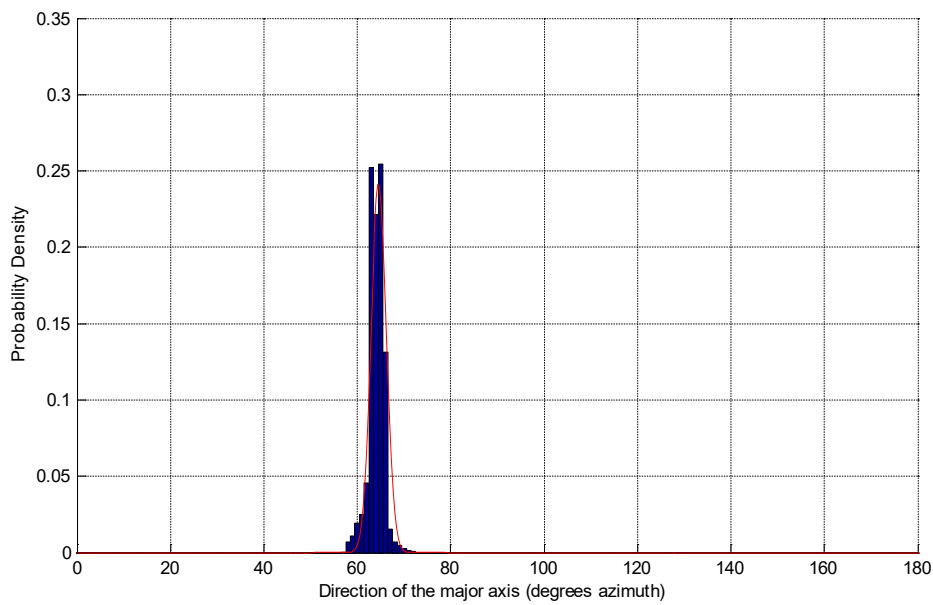
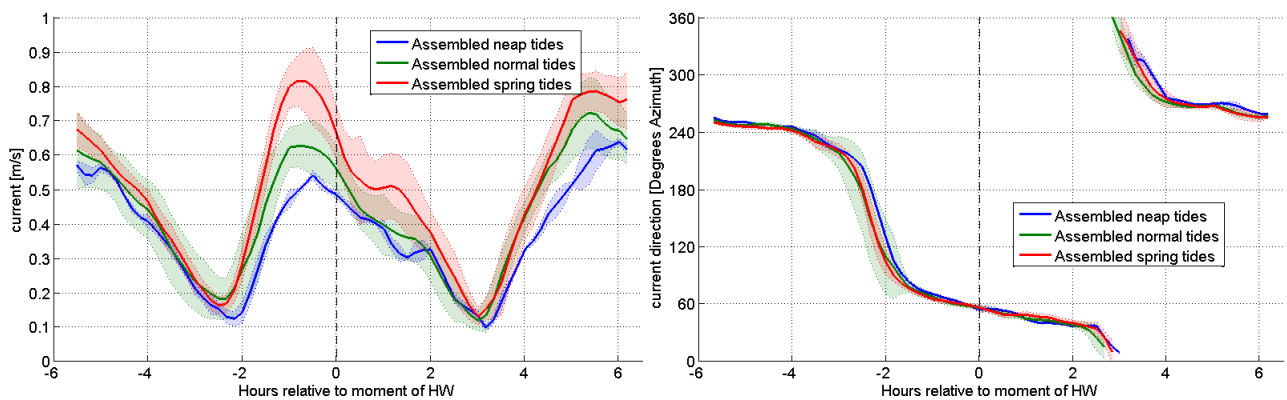


Figure 105 - Tripod deployment MOW1 (ADP): 20/05/2010 - 31/05/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.13 Tripod deployment MOW1 (ADP): May - July 2010

Figure 106 - Tripod deployment MOW1 (ADP): May - July 2010 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (30 constituents)

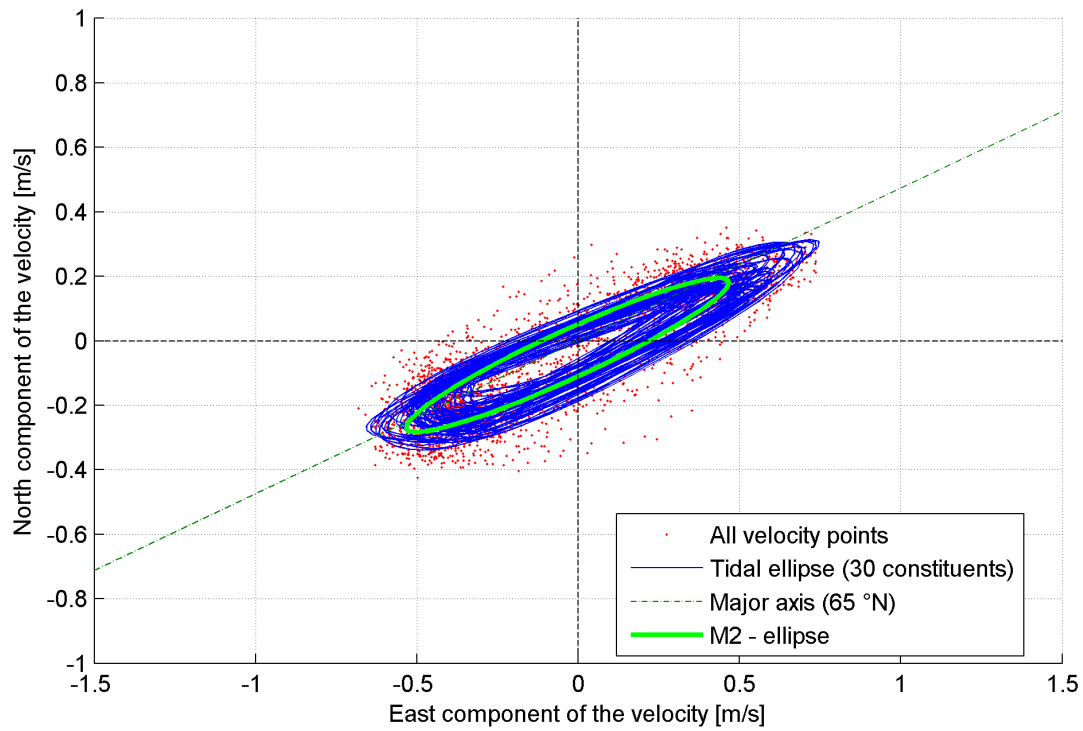


Figure 107 - Tripod deployment MOW1 (ADP): May - July 2010 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

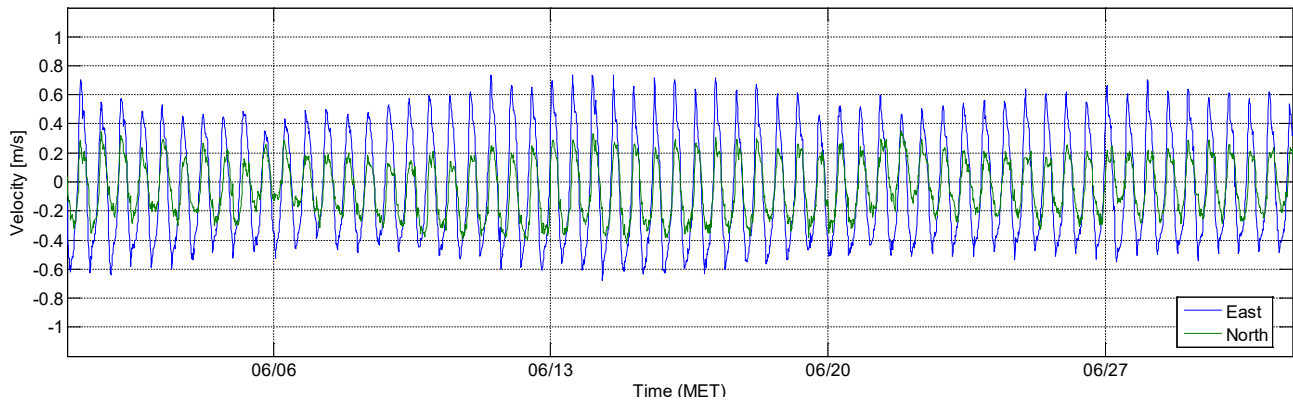


Figure 108 - Tripod deployment MOW1 (ADP): May - July 2010 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.50mab (profile-averaged)

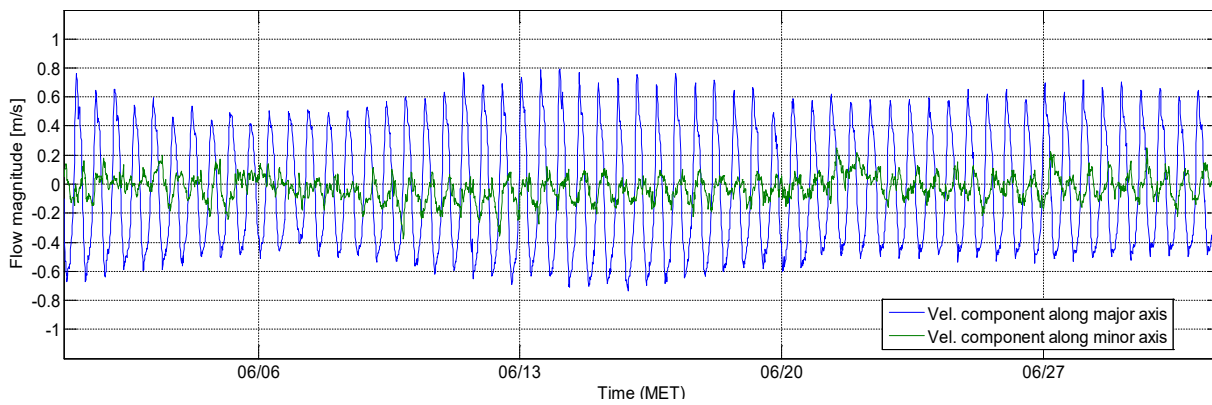


Figure 109 - Tripod deployment MOW1 (ADP): May - July 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.2°, dev=1.37°

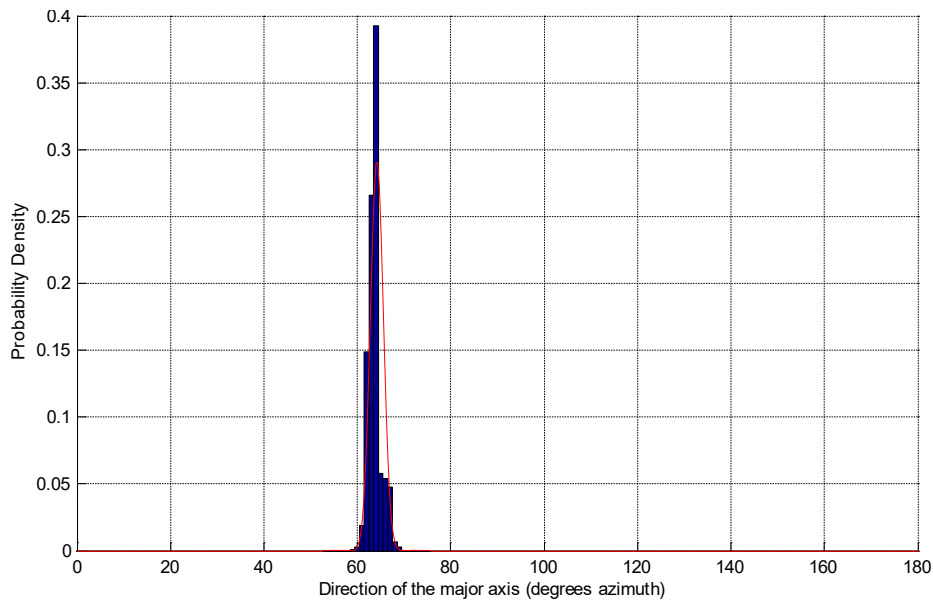
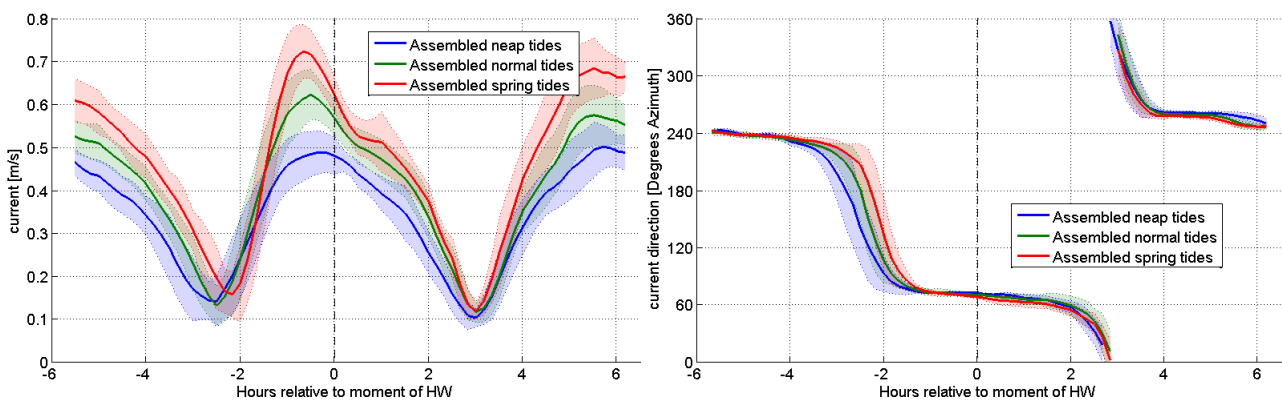


Figure 110 - Tripod deployment MOW1 (ADP): 31/05/2010 - 23/07/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.14 Tripod deployment MOW1 (ADP): October - November 2010

Figure 111 - Tripod deployment MOW1 (ADP): October - November 2010 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (30 constituents)

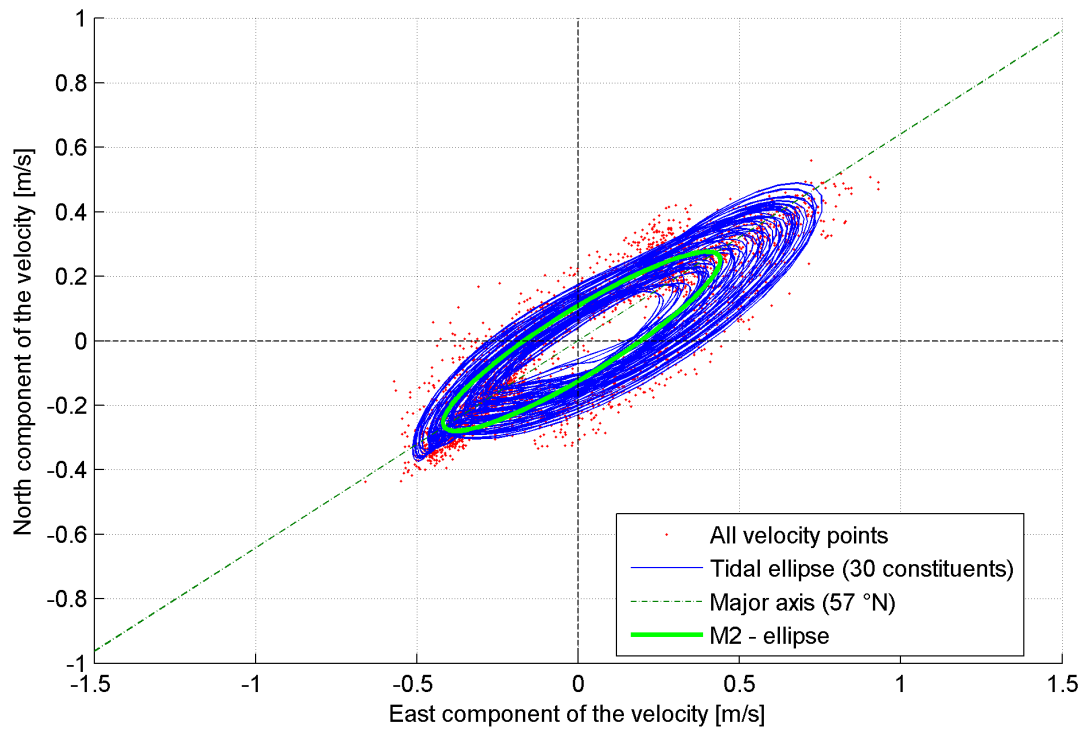


Figure 112 - Tripod deployment MOW1 (ADP): October - November 2010 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

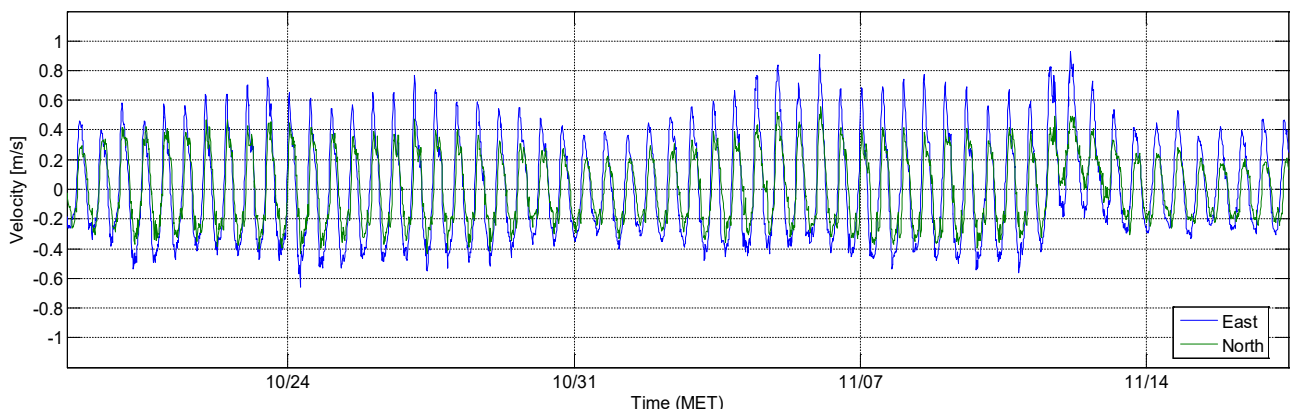


Figure 113 - Tripod deployment MOW1 (ADP): October - November 2010 - Flow decomposed along the estimated major axis (57°N) [m/s] at ~1.50mab (profile-averaged)

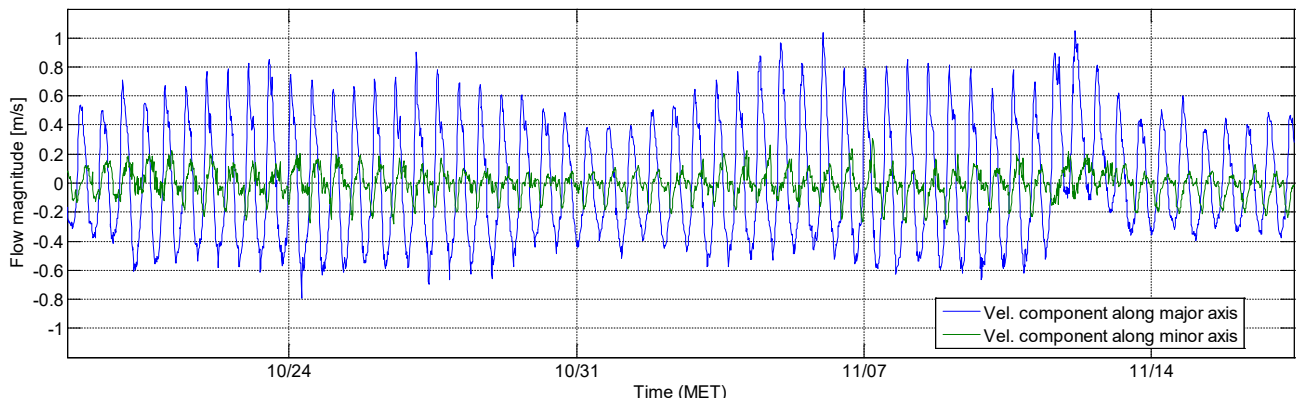


Figure 114 - Tripod deployment MOW1 (ADP): October - November 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=57.6°, dev=1.00°

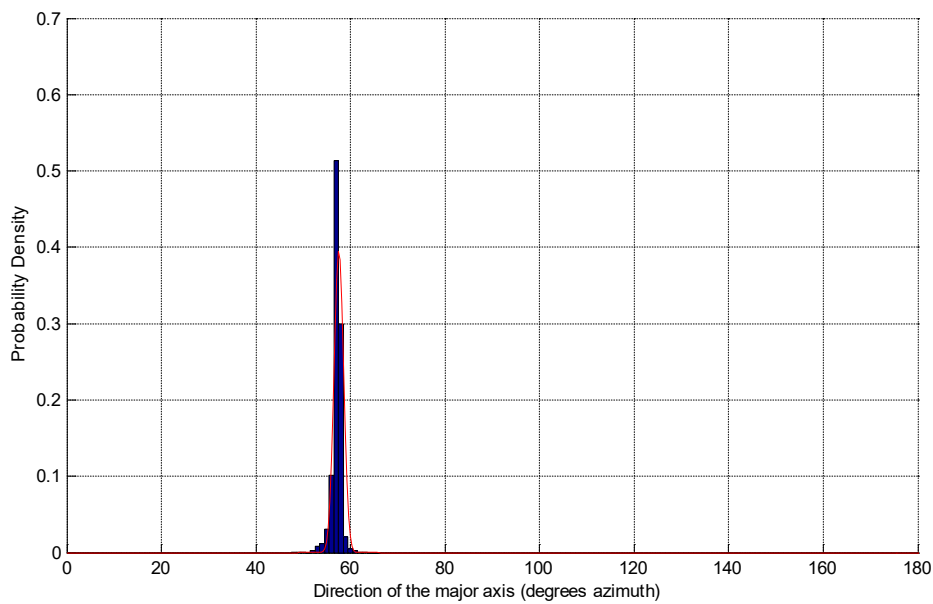
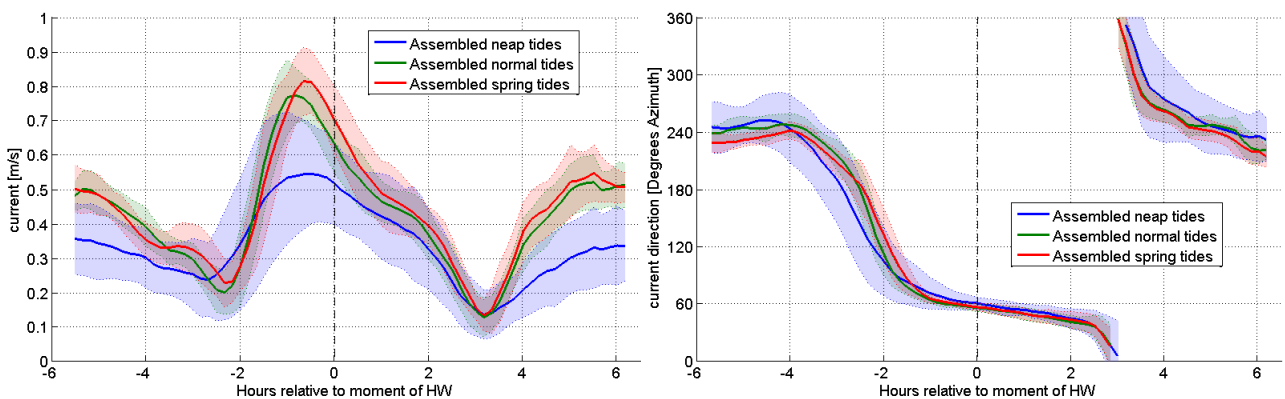


Figure 115 - Tripod deployment MOW1 (ADP): 18/10/2010 - 17/11/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.15 Tripod deployment MOW1 (ADP): November - December 2010

Figure 116 - Tripod deployment MOW1 (ADP): November - December 2010 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (30 constituents)

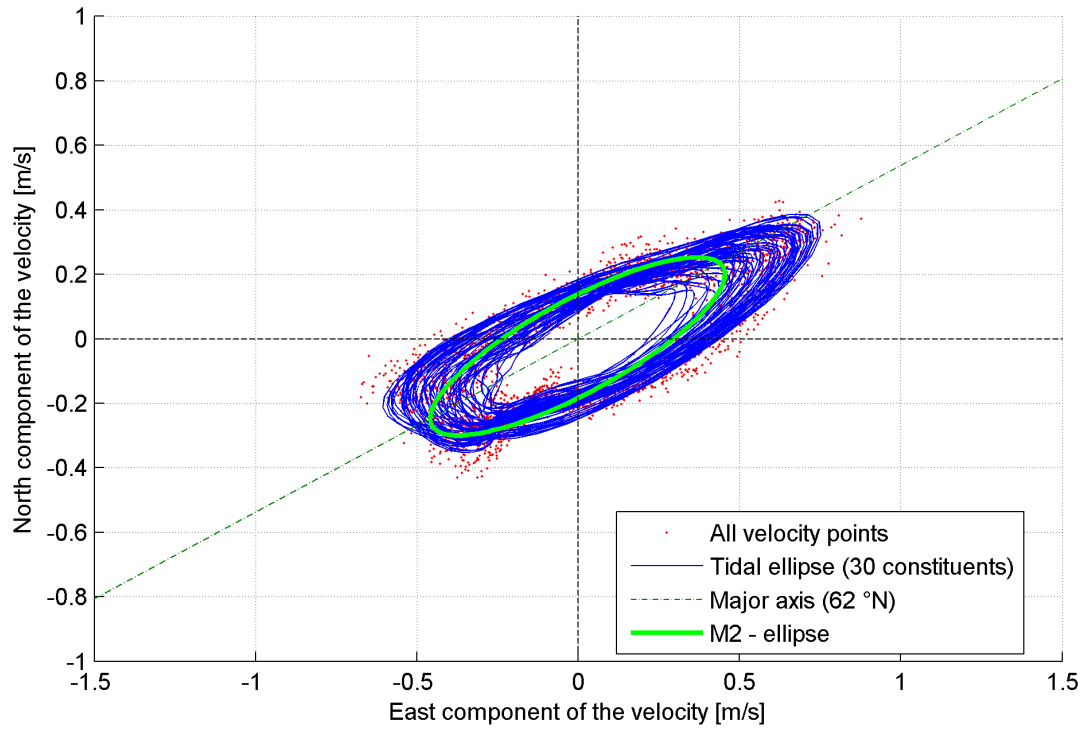


Figure 117 - Tripod deployment MOW1 (ADP): November - December 2010 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

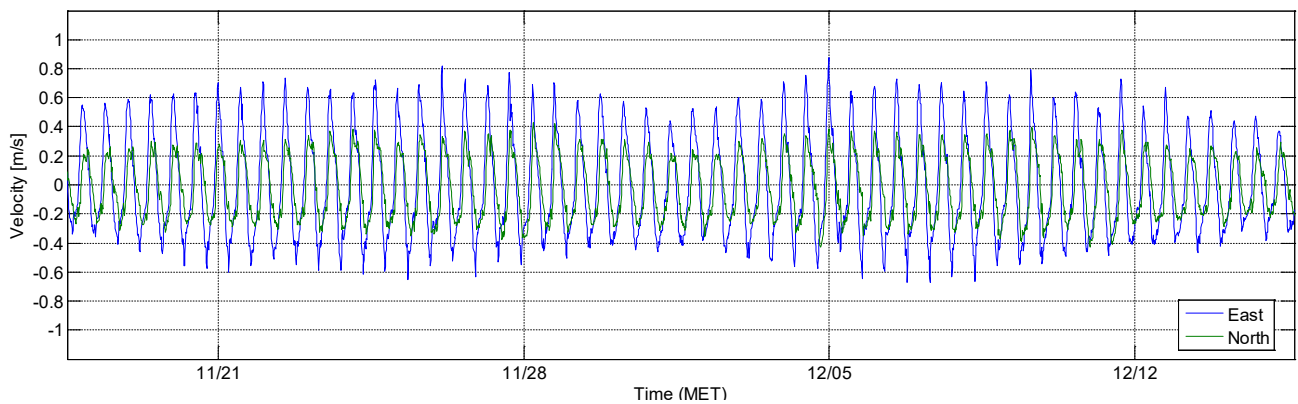


Figure 118 - Tripod deployment MOW1 (ADP): November - December 2010 - Flow decomposed along the estimated major axis (62°N) [m/s] at ~1.10mab (profile-averaged)

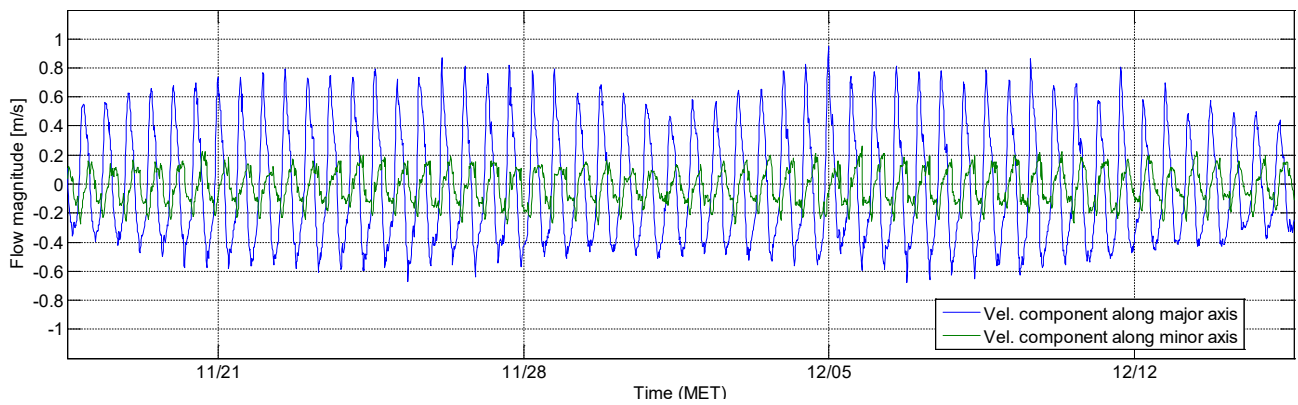


Figure 119 - Tripod deployment MOW1 (ADP): November - December 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=61.5°, dev=0.97°

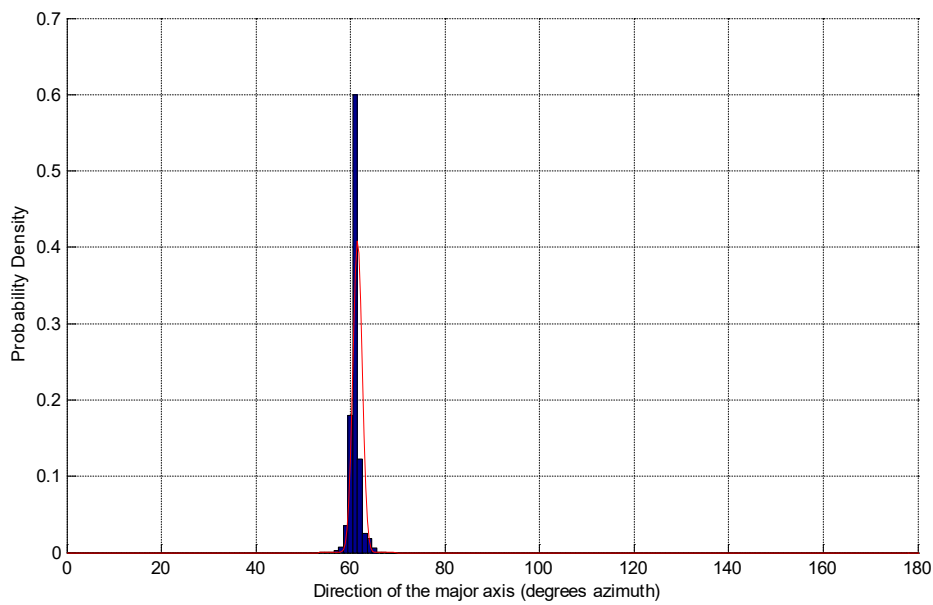
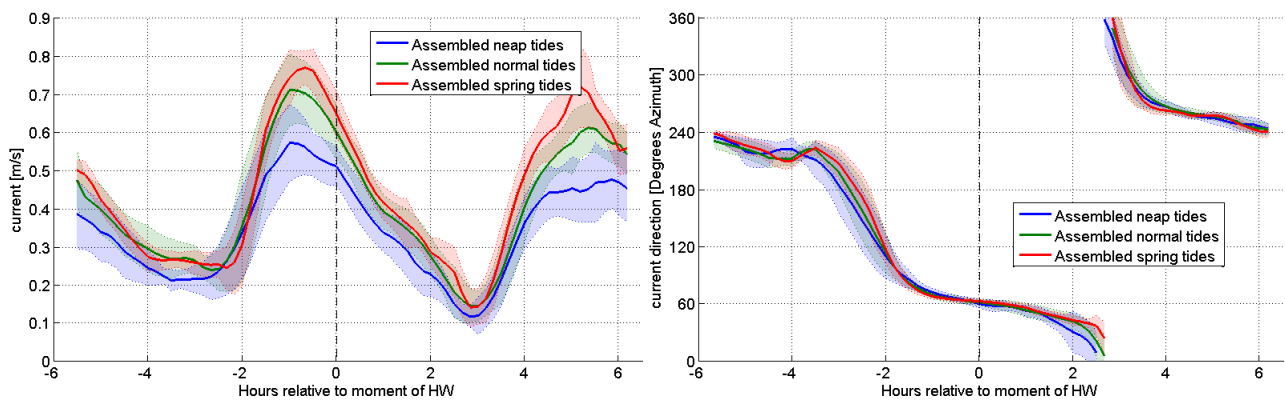


Figure 120 - Tripod deployment MOW1 (ADP): 17/11/2010 - 15/12/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.16 Tripod deployment MOW1 (ADP): December 2010 - January 2011

Figure 121 - Tripod deployment MOW1 (ADP): December 2010 - January 2011 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (18 constituents)

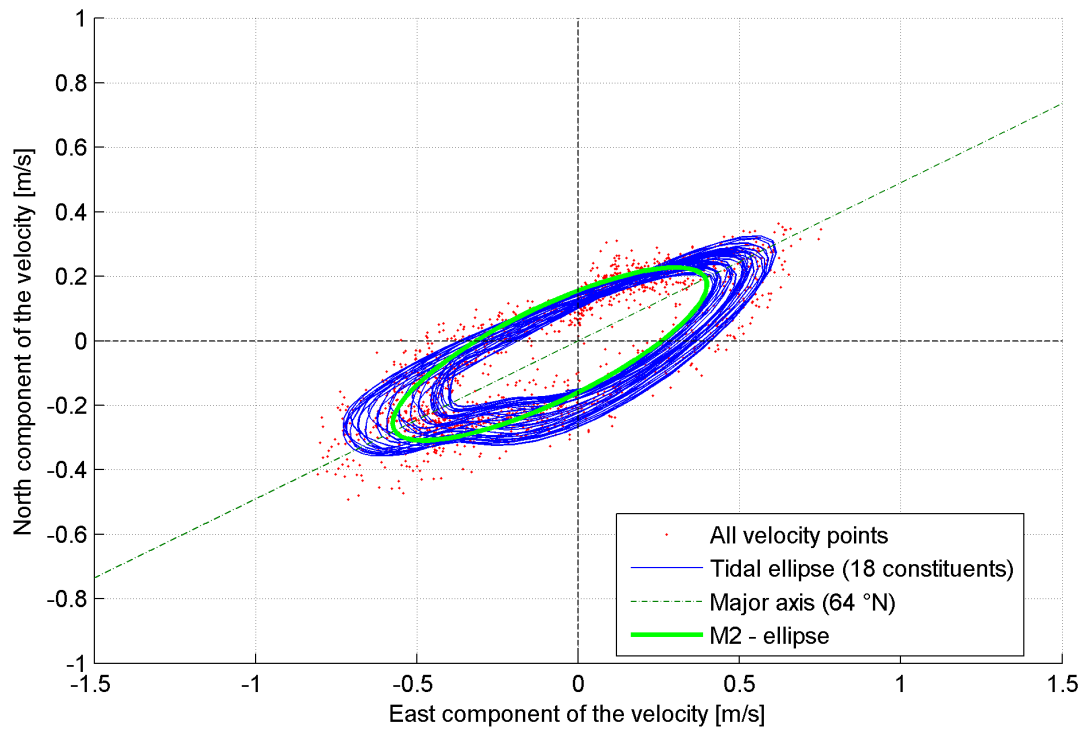


Figure 122 - Tripod deployment MOW1 (ADP): December 2010 - January 2011 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

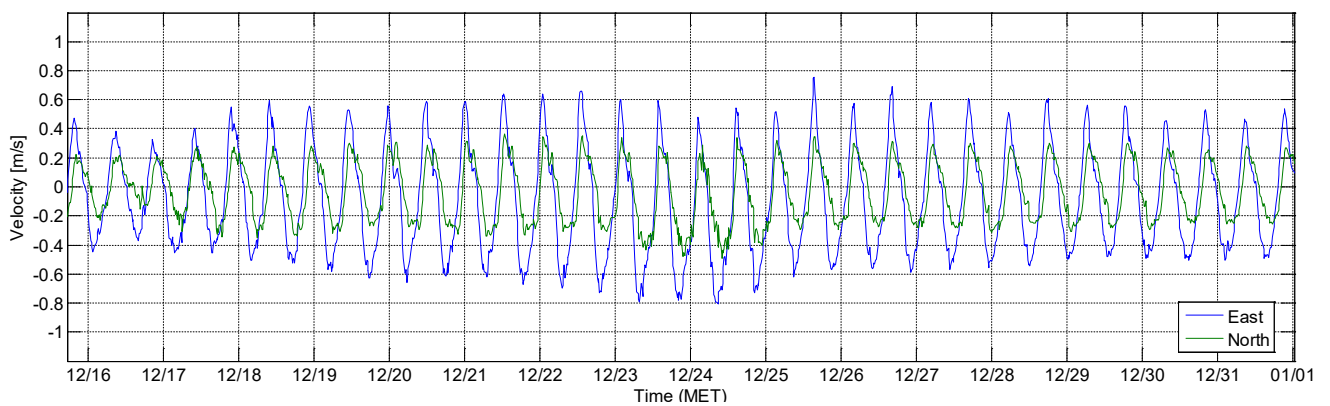


Figure 123 - Tripod deployment MOW1 (ADP): December 2010 - January 2011 - Flow decomposed along the estimated major axis (64°N) [m/s] at ~1.50mab (profile-averaged)

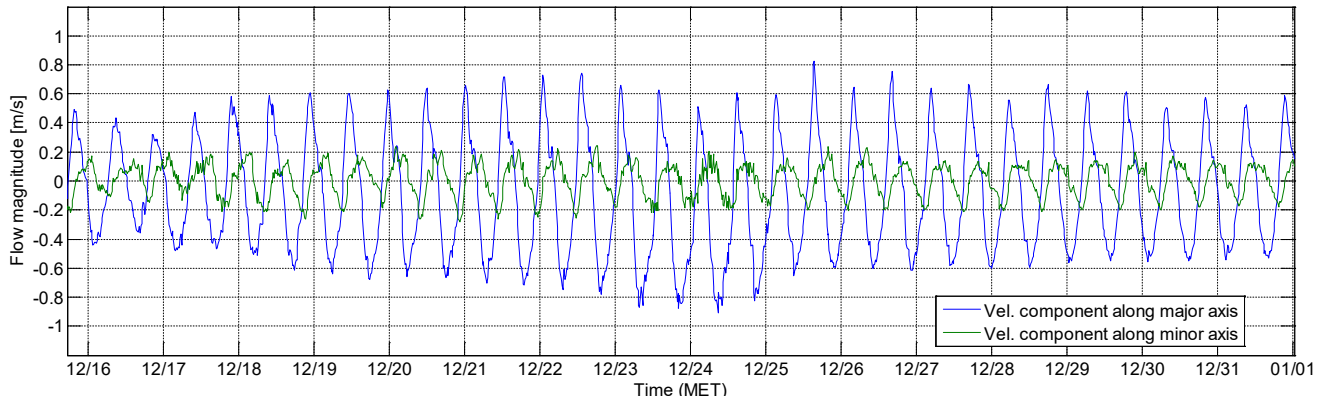
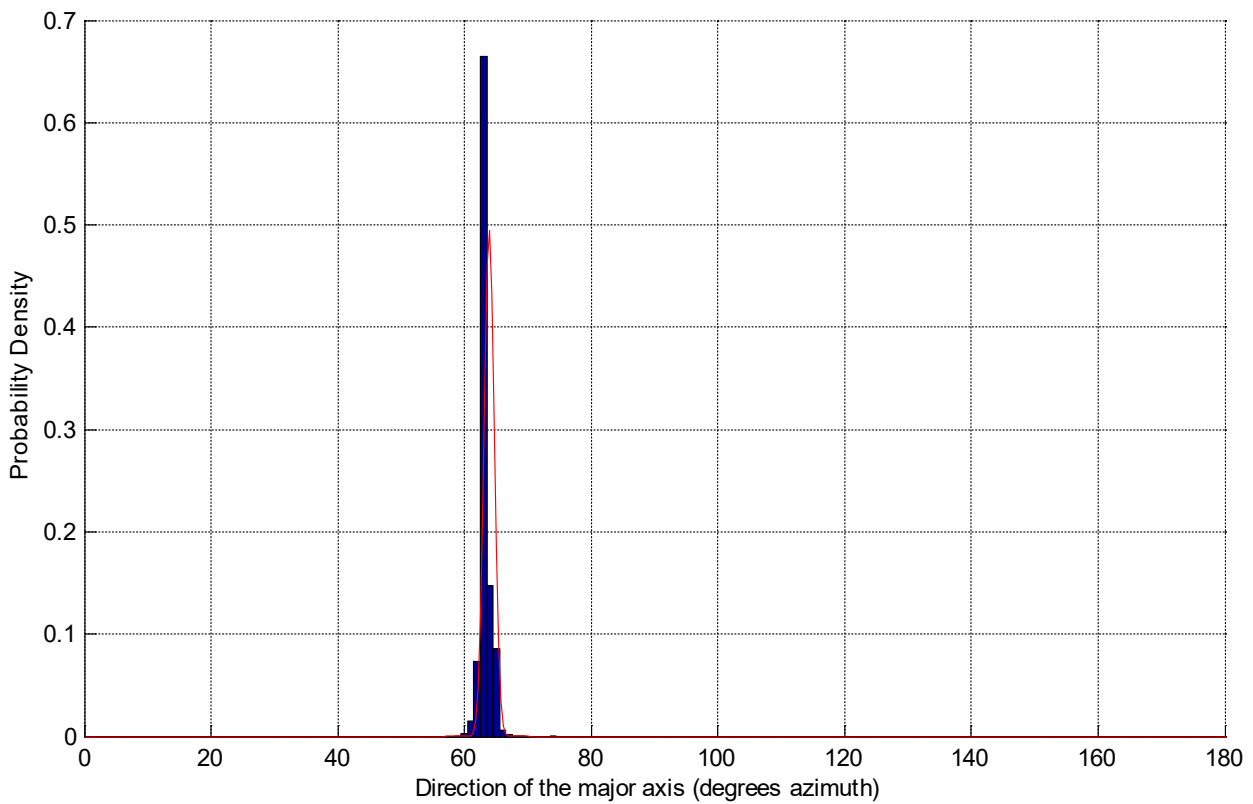


Figure 124 - Tripod deployment MOW1 (ADP): December 2010 - January 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.8°, dev=0.81°



D.2.17 Tripod deployment MOW1 (ADP): May - July 2011

Figure 125 - Tripod deployment MOW1 (ADP): May - July 2011 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (36 constituents)

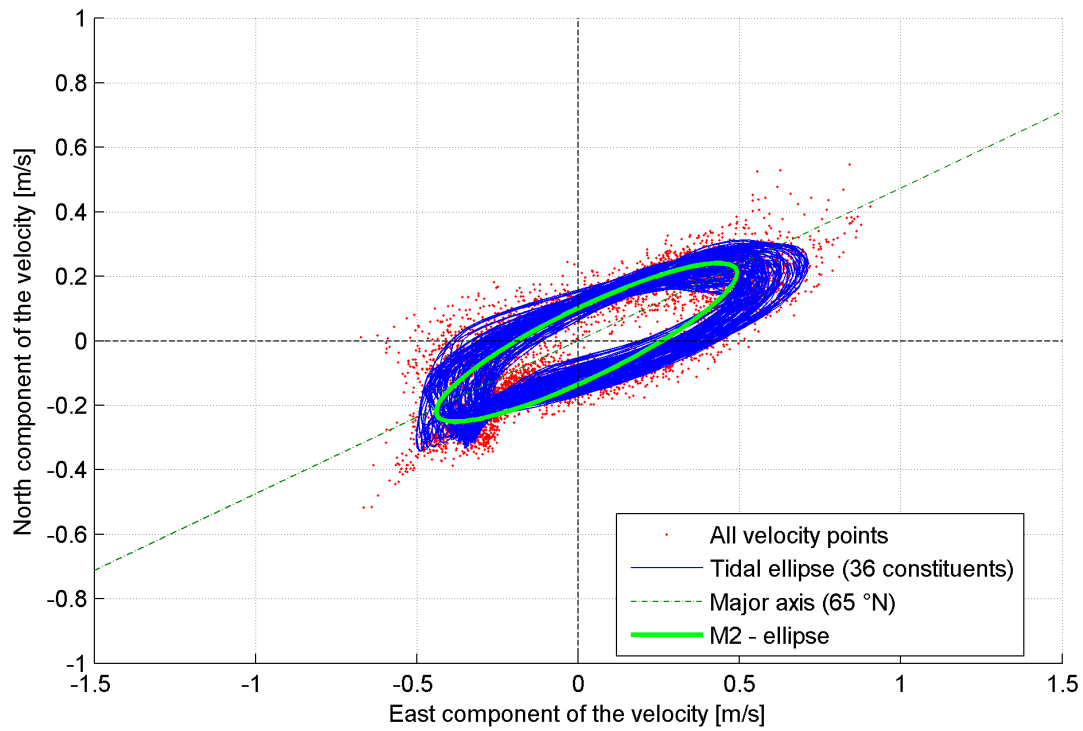


Figure 126 - Tripod deployment MOW1 (ADP): May - July 2011 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

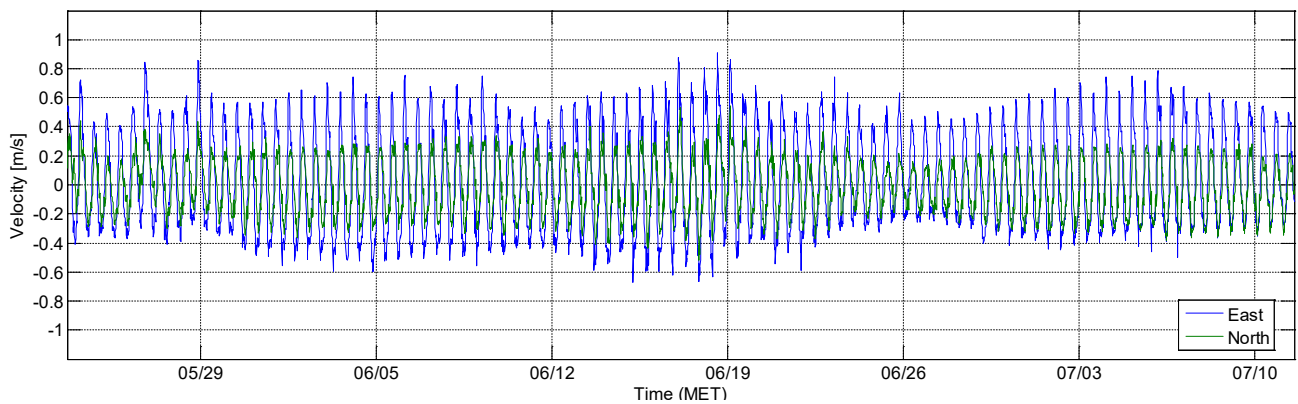


Figure 127 - Tripod deployment MOW1 (ADP): May - July 2011 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.50mab (profile-averaged)

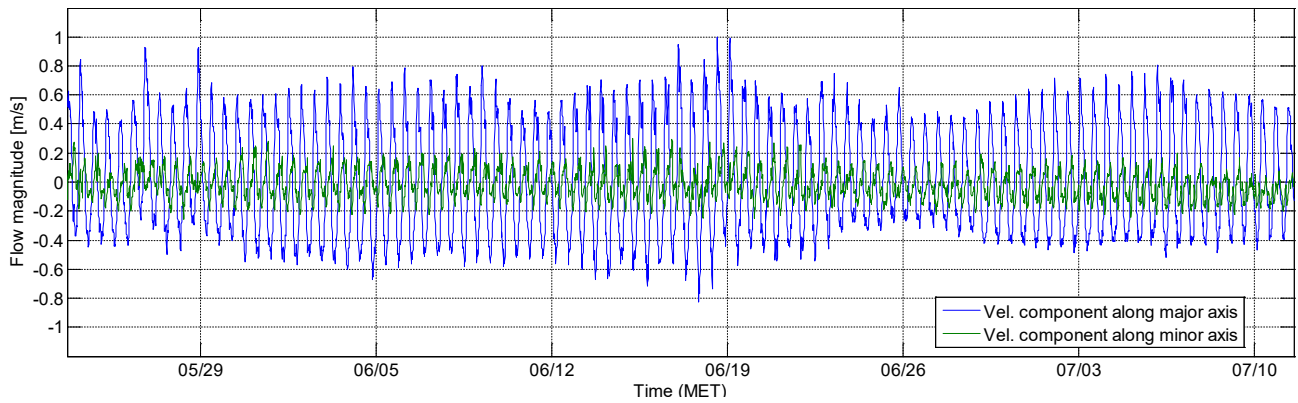


Figure 128 - Tripod deployment MOW1 (ADP): May - July 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.9°, dev=1.06°

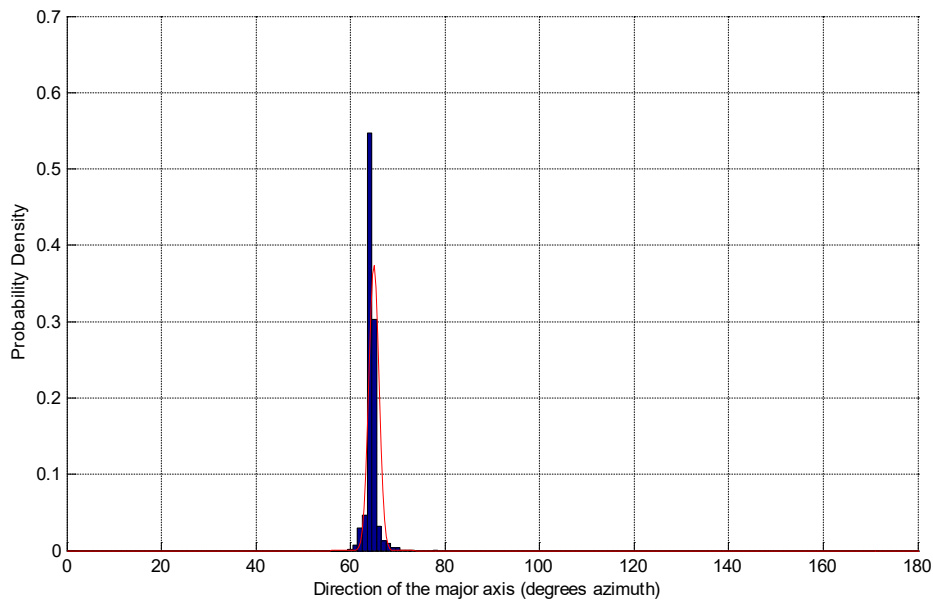
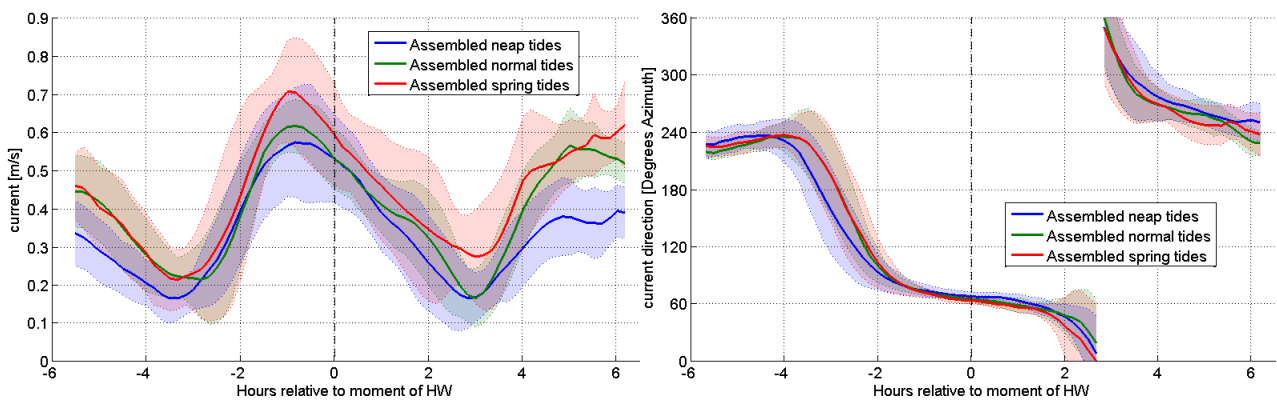


Figure 129 - Tripod deployment MOW1 (ADP): 23/05/2011 - 11/07/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.18 Tripod deployment MOW1 (ADP): July - August 2011

Figure 130 - Tripod deployment MOW1 (ADP): July - August 2011 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

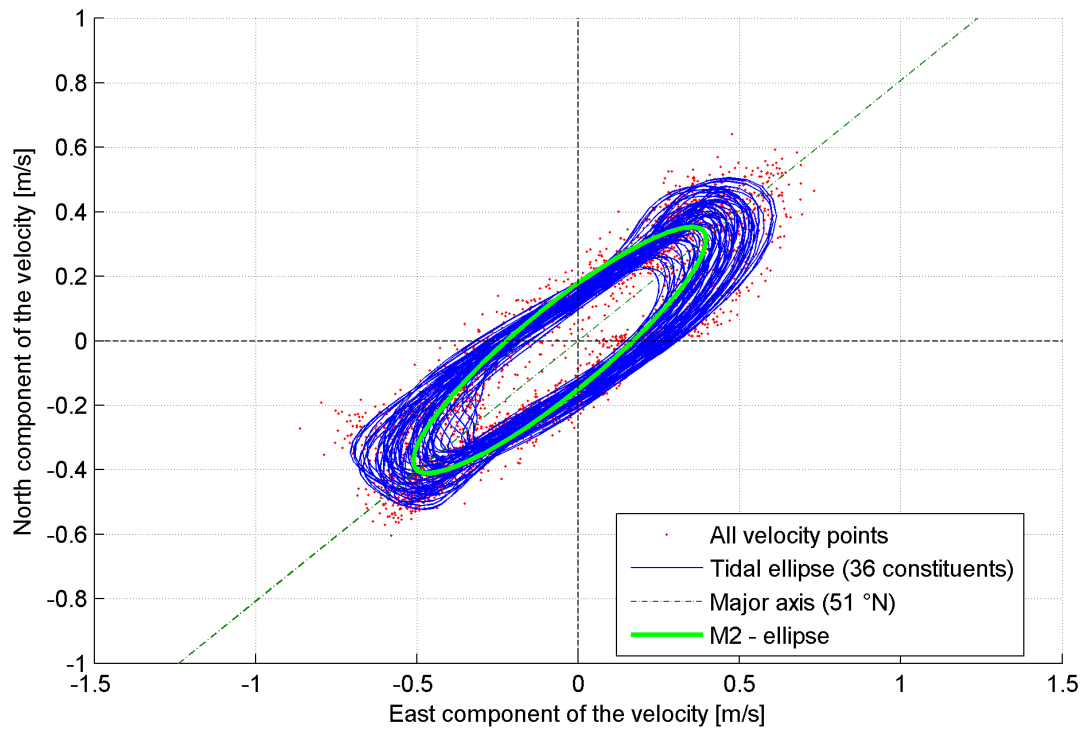


Figure 131 - Tripod deployment MOW1 (ADP): July - August 2011 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

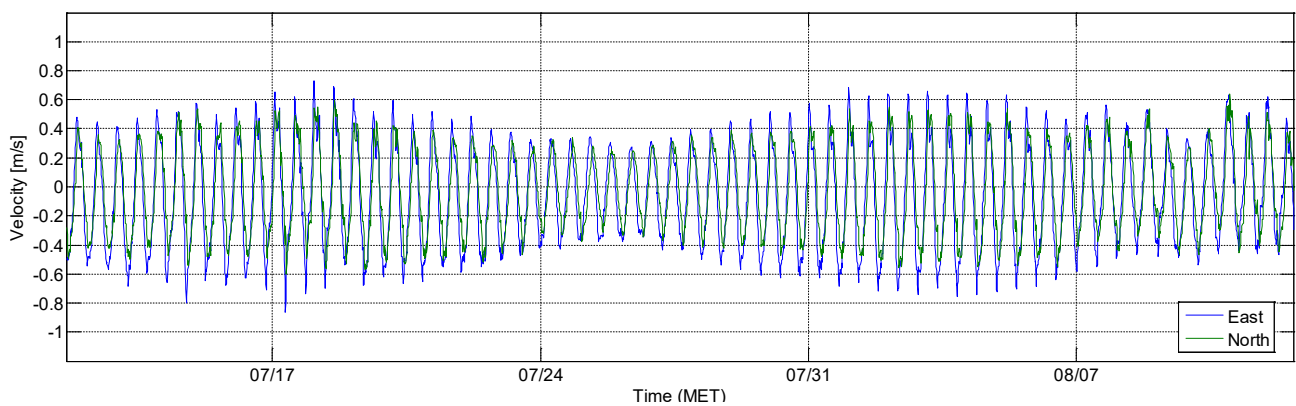


Figure 132 - Tripod deployment MOW1 (ADP): July - August 2011 - Flow decomposed along the estimated major axis (51°N) [m/s] at ~1.10mab (profile-averaged)

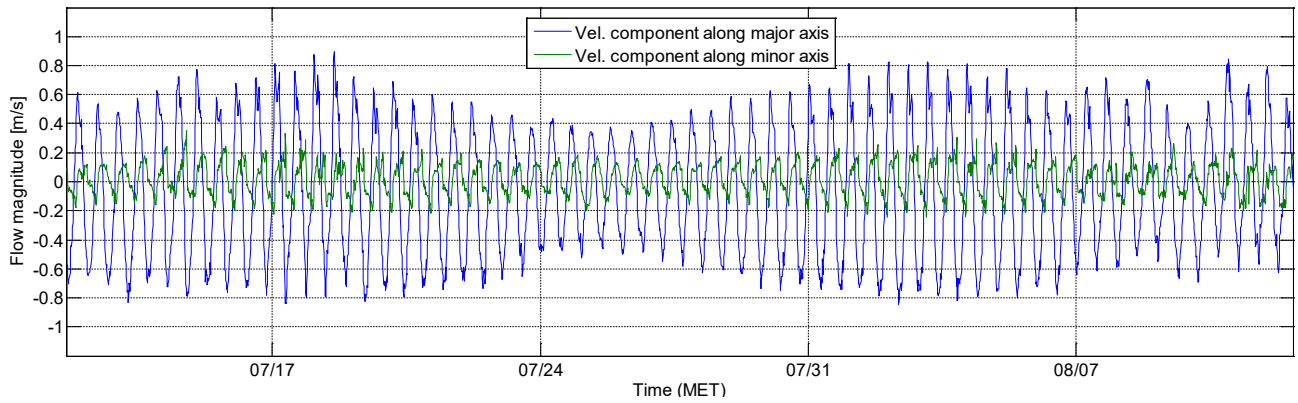


Figure 133 - Tripod deployment MOW1 (ADP): July - August 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=51.3°, dev=0.57°

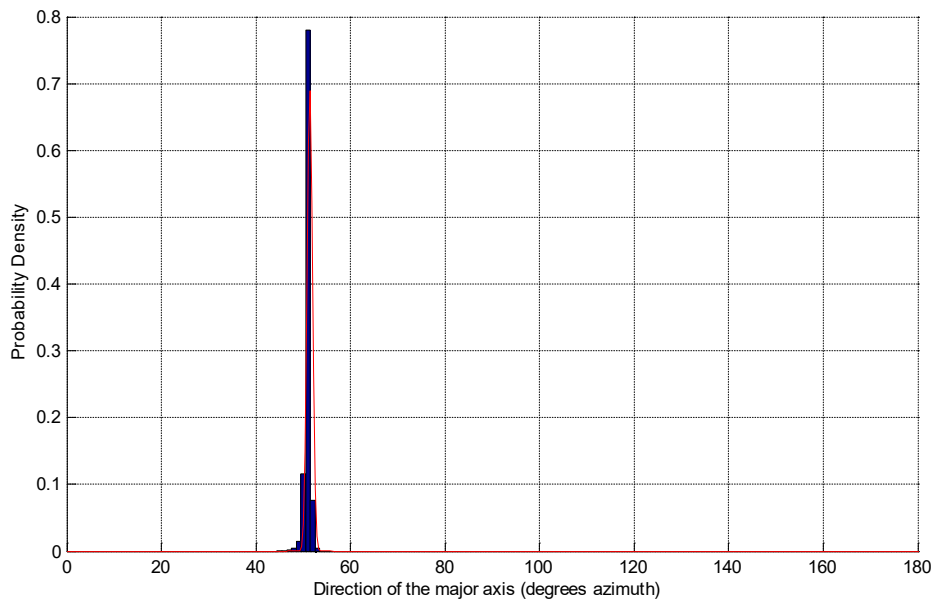
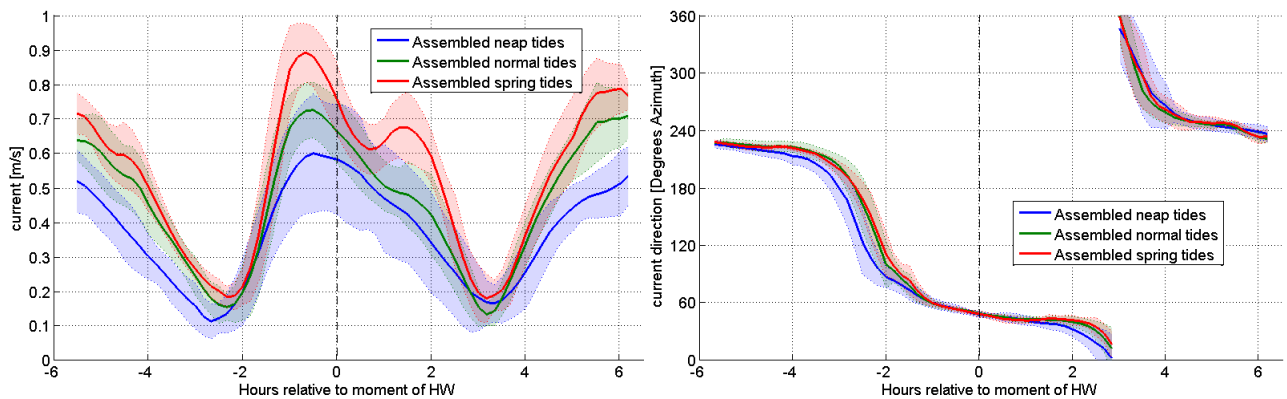


Figure 134 - Tripod deployment MOW1 (ADP): 11/07/2011 - 18/08/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.19 Tripod deployment MOW1 (ADP): September - October 2011

Figure 135 - Tripod deployment MOW1 (ADP): September - October 2011 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

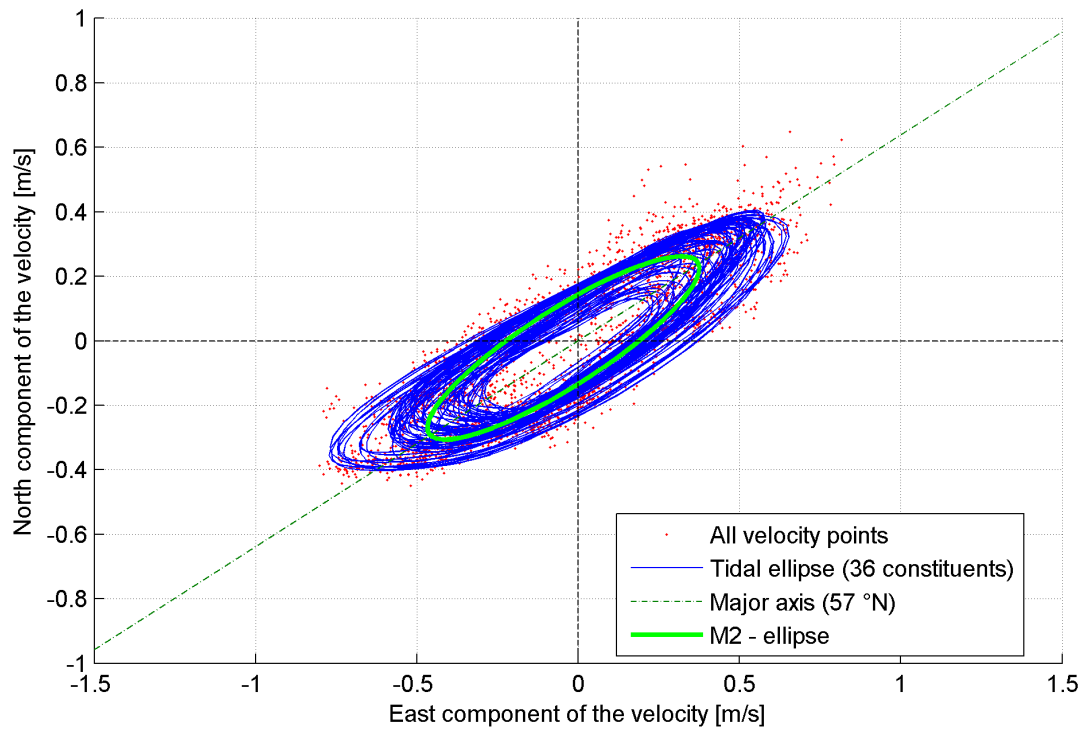


Figure 136 - Tripod deployment MOW1 (ADP): September - October 2011 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

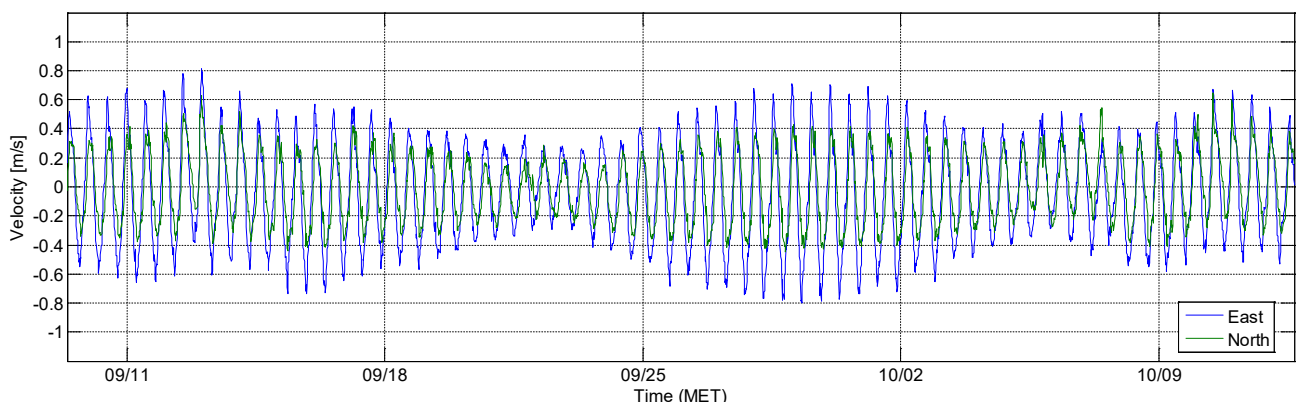


Figure 137 - Tripod deployment MOW1 (ADP): September - October 2011 - Flow decomposed along the estimated major axis (57°N) [m/s] at ~1.10mab (profile-averaged)

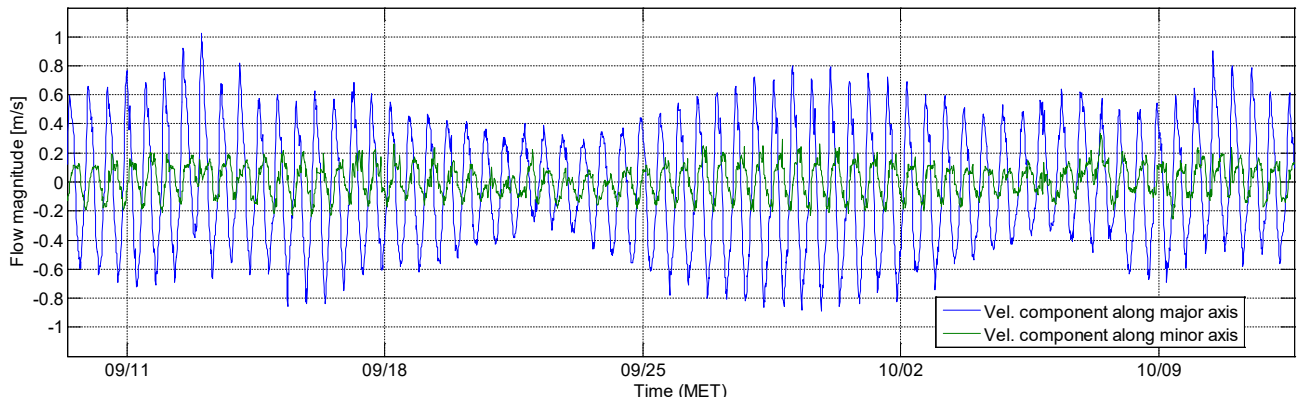


Figure 138 - Tripod deployment MOW1 (ADP): September - October 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=57.7°, dev=1.16°

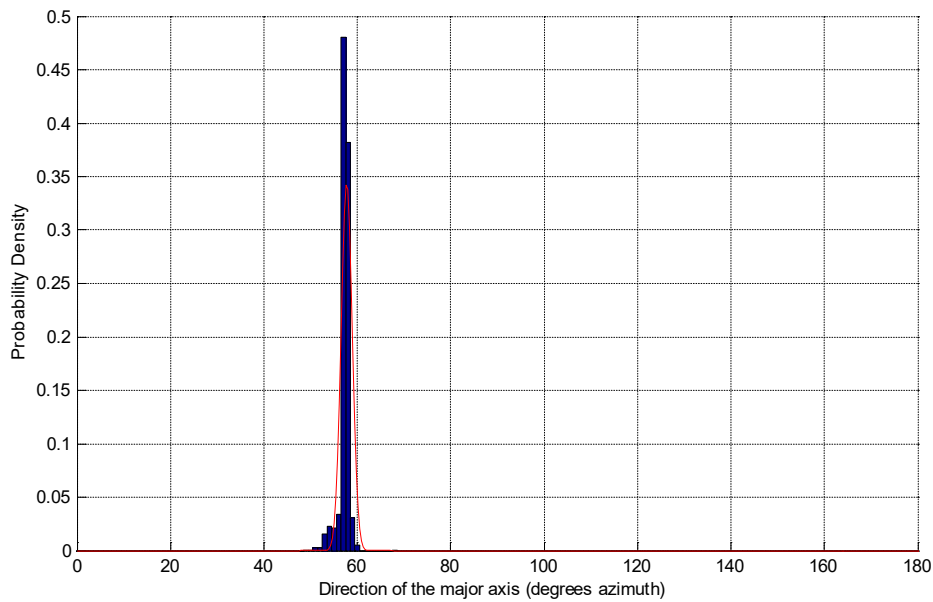
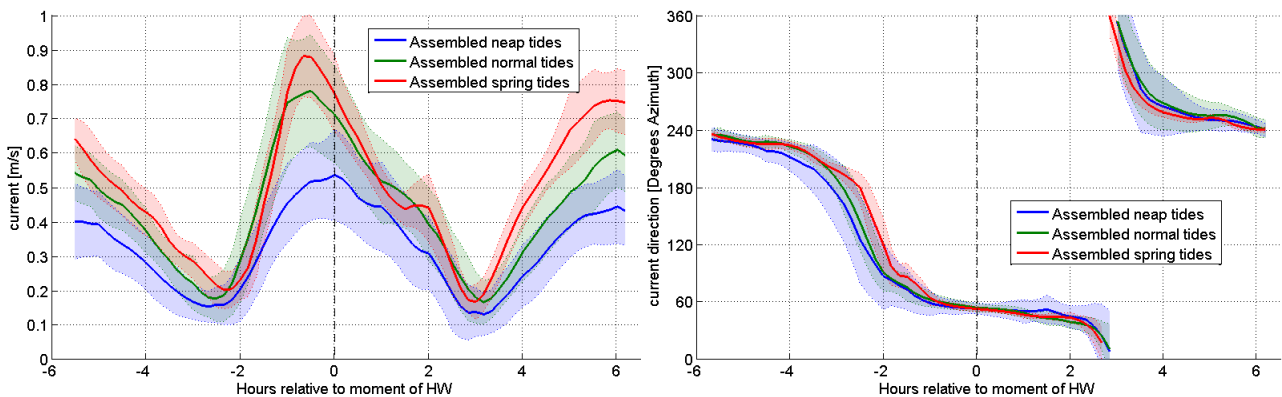


Figure 139 - Tripod deployment MOW1 (ADP): 09/09/2011 - 12/10/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.20 Tripod deployment MOW1 (ADP): November 2011 - February 2012

Figure 140 - Tripod deployment MOW1 (ADP): November 2011 - February 2012 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

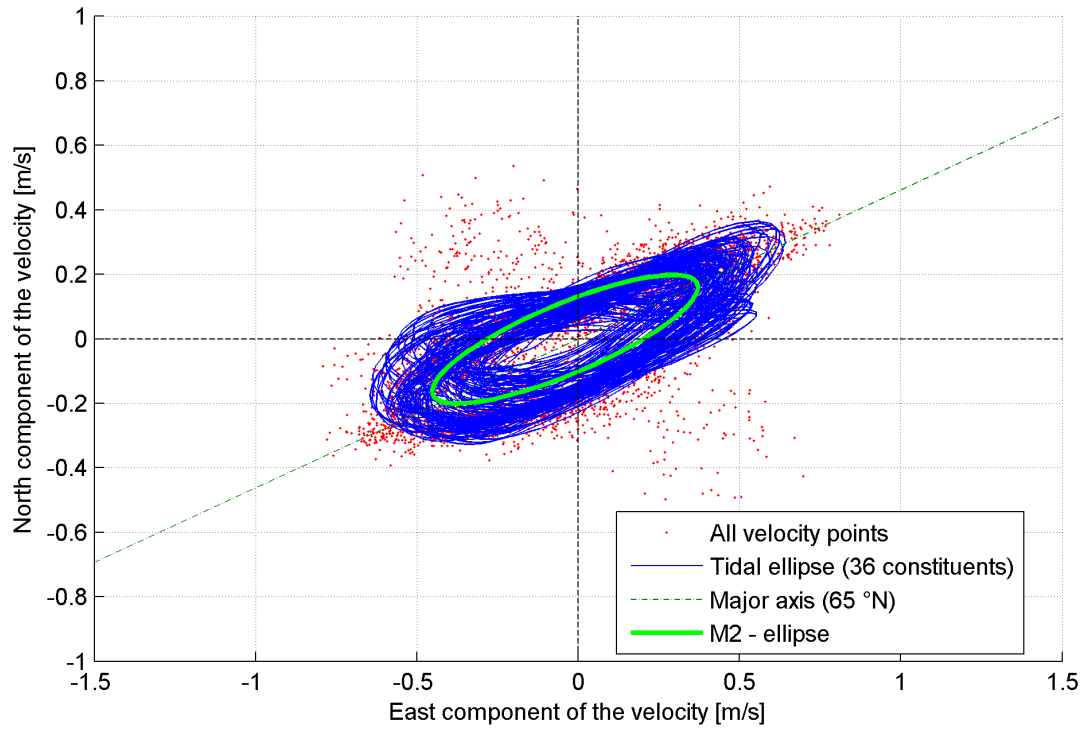


Figure 141 - Tripod deployment MOW1 (ADP): November 2011 - February 2012 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

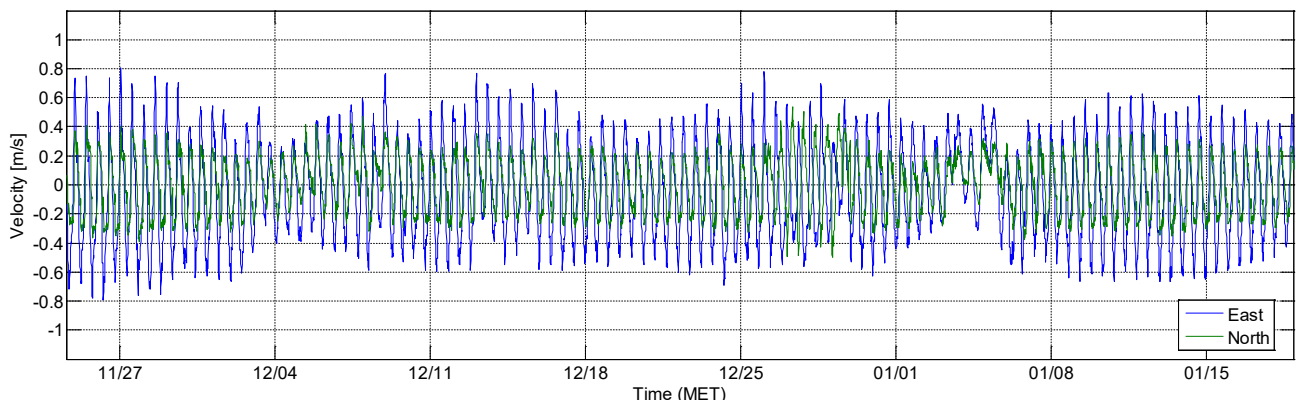


Figure 142 - Tripod deployment MOW1 (ADP): November 2011 - February 2012 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.10mab (profile-averaged)

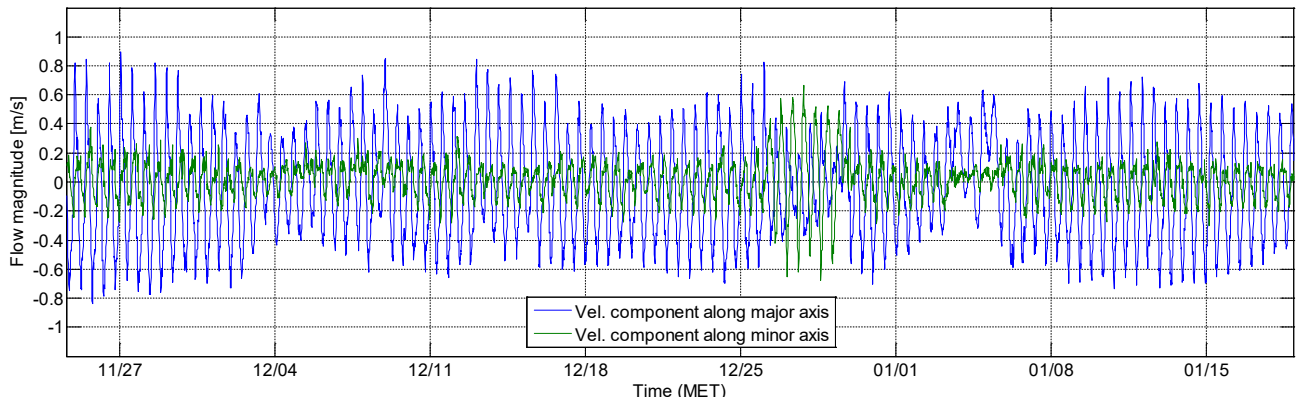


Figure 143 - Tripod deployment MOW1 (ADP): November 2011 - February 2012 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.2°, dev=11.64°

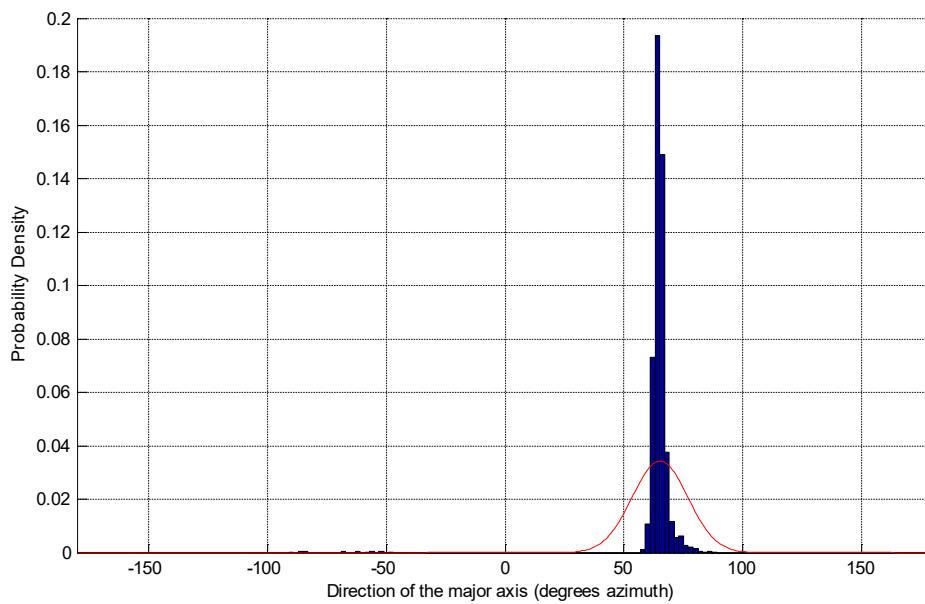
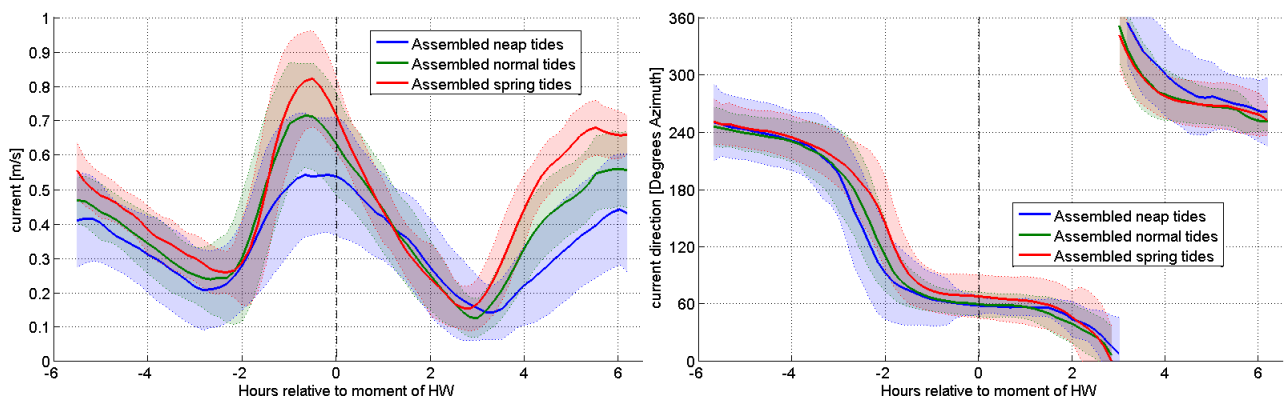


Figure 144 - Tripod deployment MOW1 (ADP): 24/11/2011 - 03/02/2012 _ Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab



D.2.21 Tripod deployment MOW1 (ADP): March - April 2012

Figure 145 - Tripod deployment MOW1 (ADP): March - April 2012 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

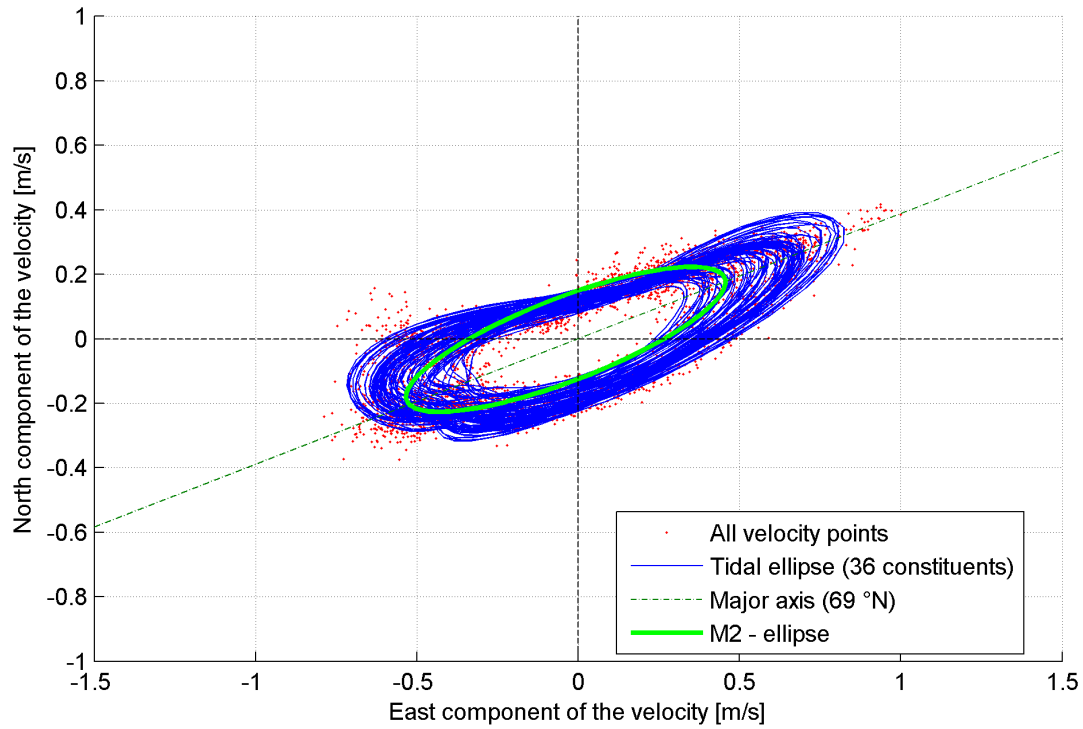


Figure 146 - Tripod deployment MOW1 (ADP): March - April 2012 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

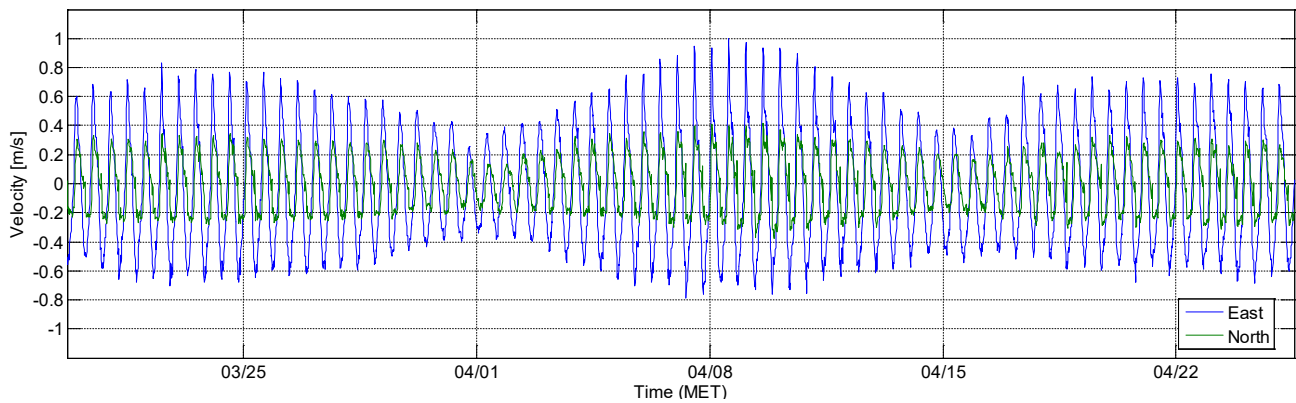


Figure 147 - Tripod deployment MOW1 (ADP): March - April 2012 - Flow decomposed along the estimated major axis (69°N) [m/s] at ~1.10mab (profile-averaged)

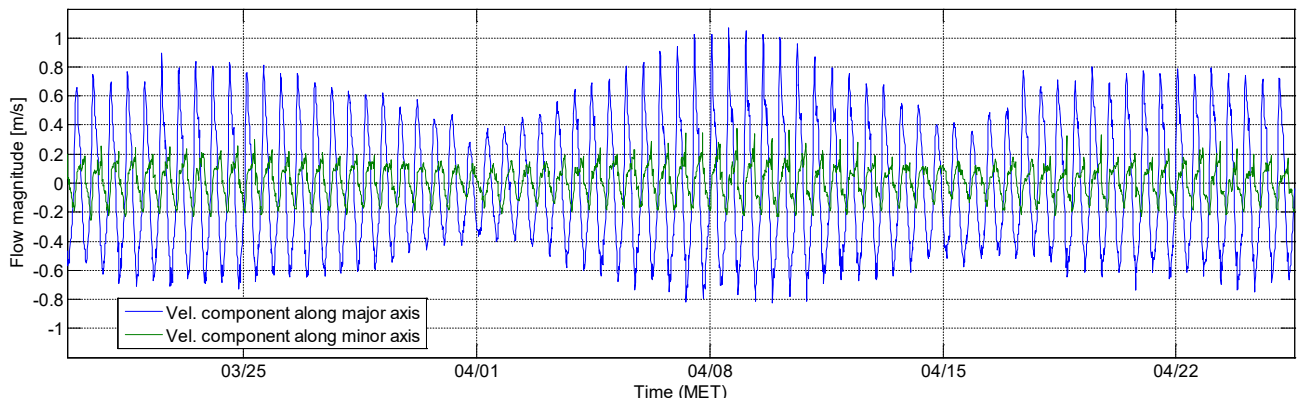
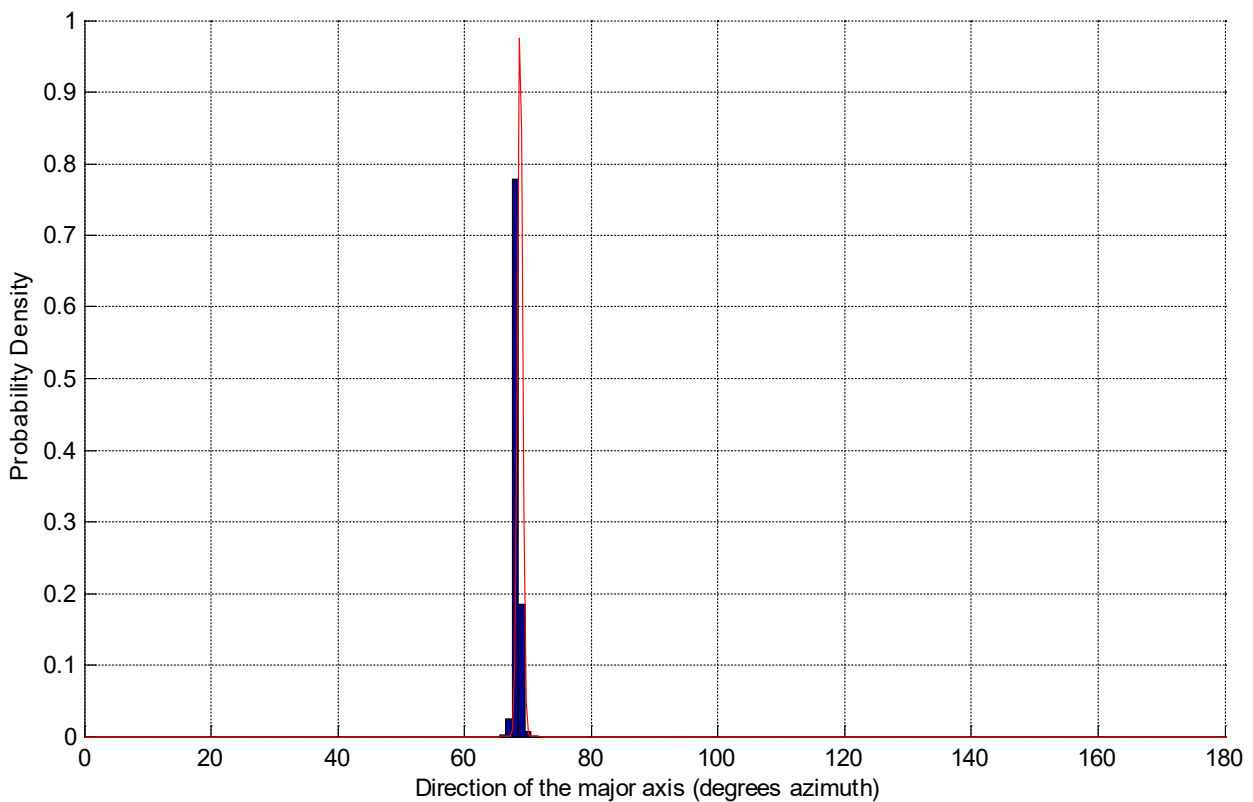


Figure 148 - Tripod deployment MOW1 (ADP): March - April 2012 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=68.8°, dev=0.39°



D.2.22 Tripod deployment MOW1 (ADP): June - August 2012

Figure 149 - Tripod deployment MOW1 (ADP): June - August 2012 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

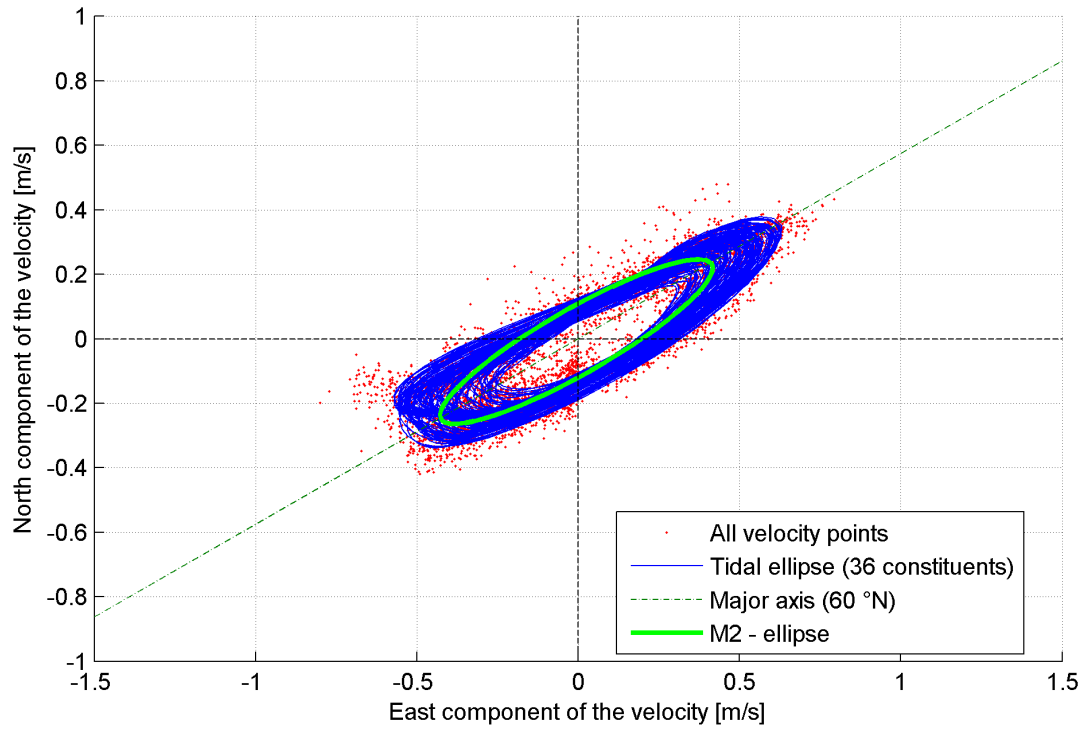


Figure 150 - Tripod deployment MOW1 (ADP): June - August 2012 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

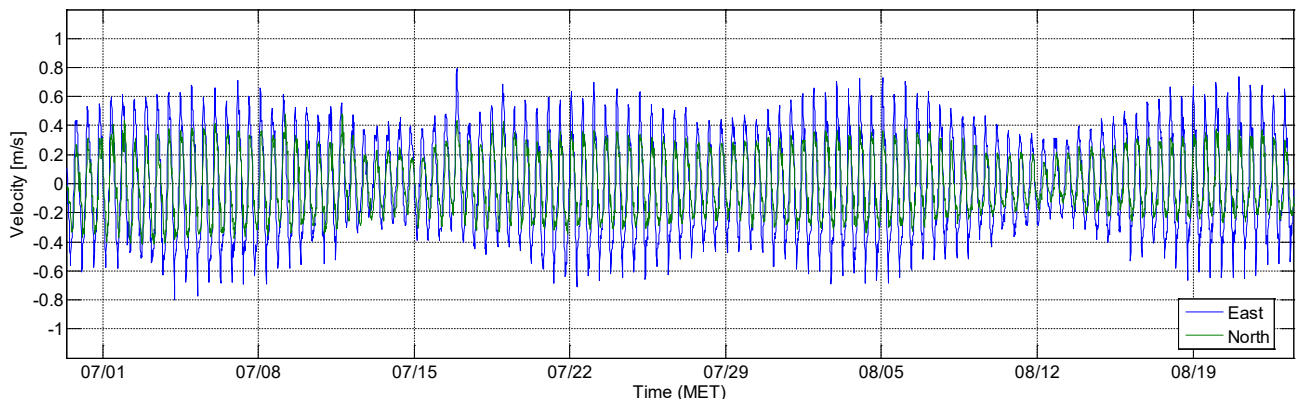


Figure 151 - Tripod deployment MOW1 (ADP): June - August 2012 - Flow decomposed along the estimated major axis (60°N) [m/s] at ~1.10mab (profile-averaged)

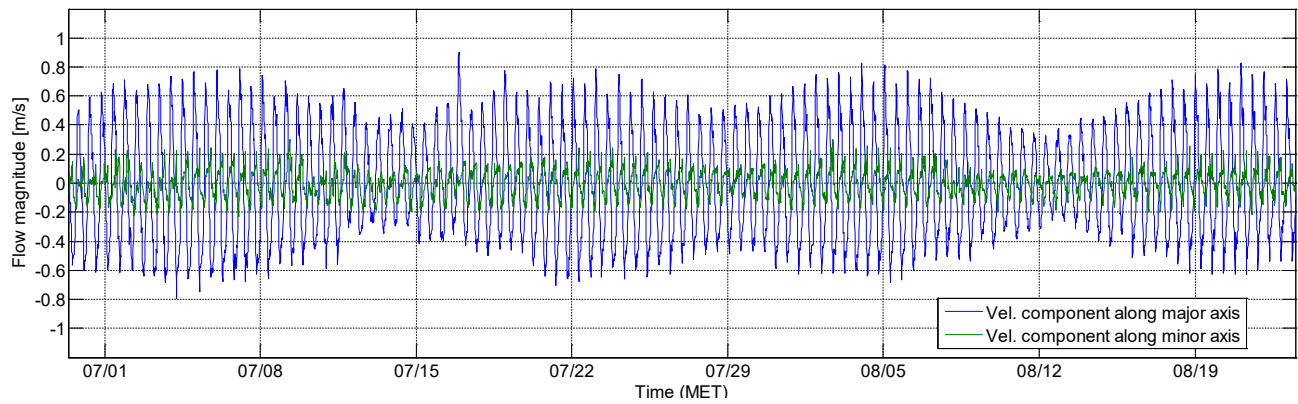
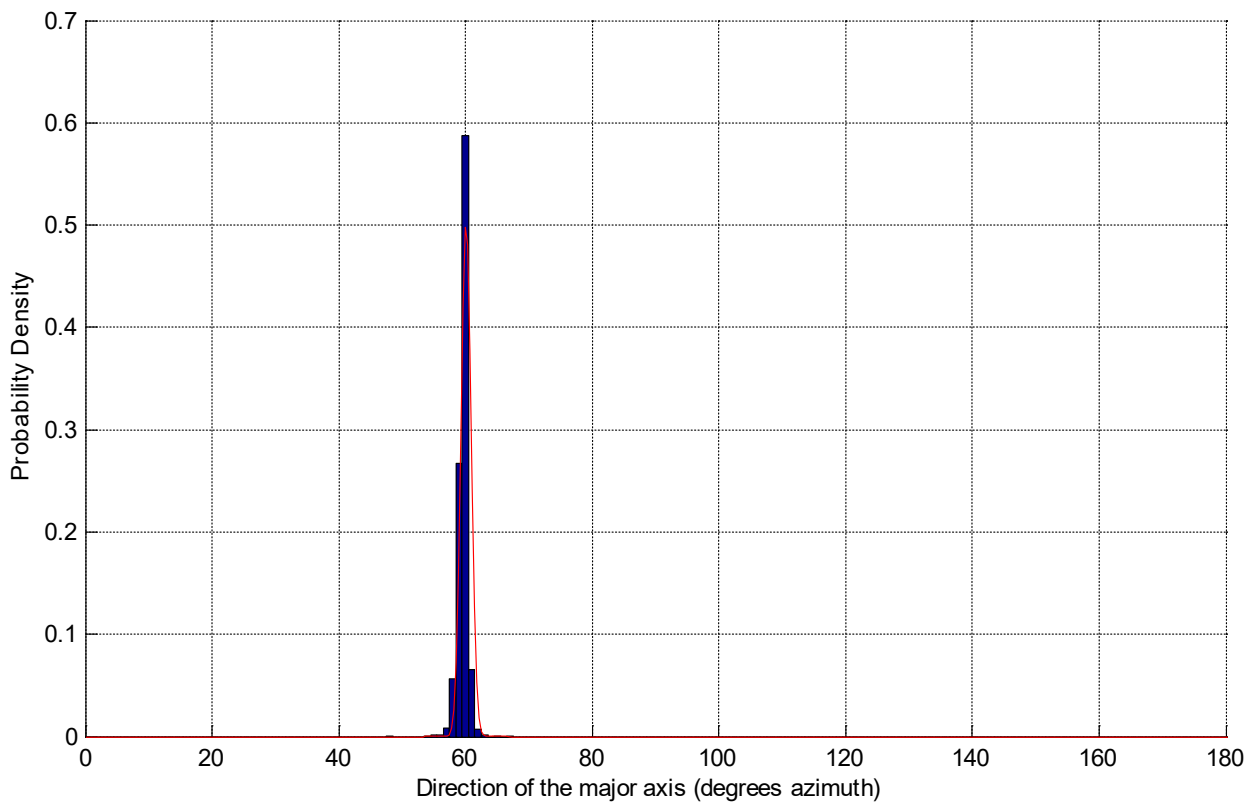


Figure 152 - Tripod deployment MOW1 (ADP): June - August 2012 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=60.2°, dev=0.79°



D.2.23 Tripod deployment MOW1 (ADP): December 2012 - January 2013

Figure 153 - Tripod deployment MOW1 (ADP): December 2012 - January 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

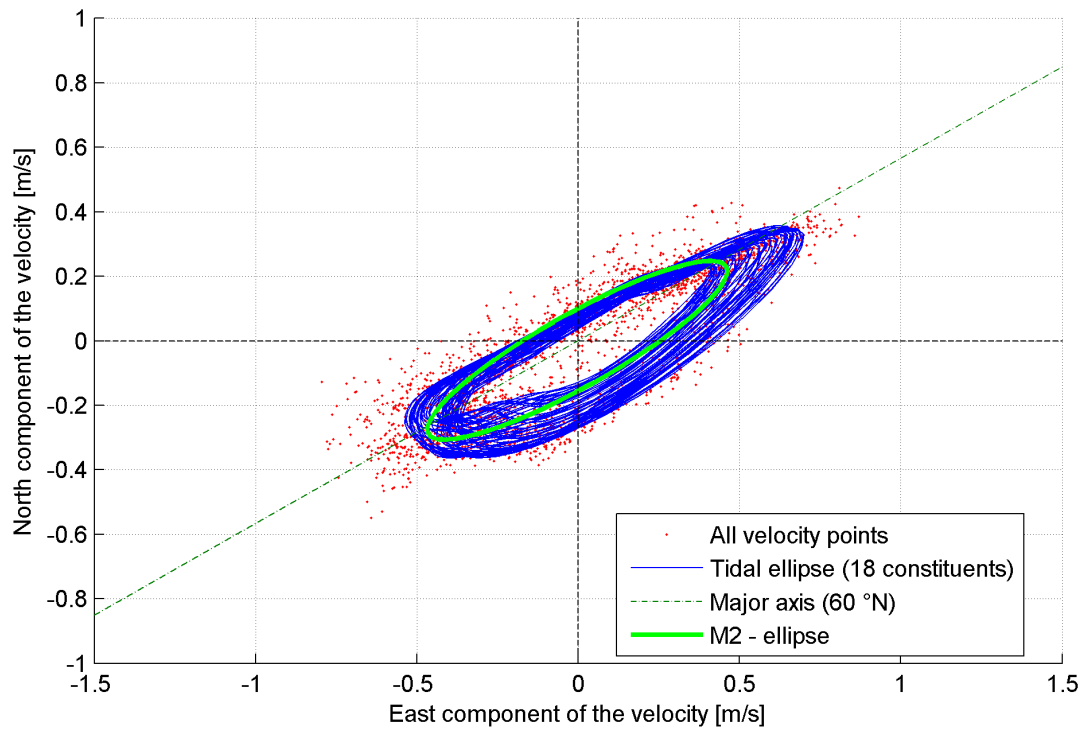


Figure 154 - Tripod deployment MOW1 (ADP): December 2012 - January 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

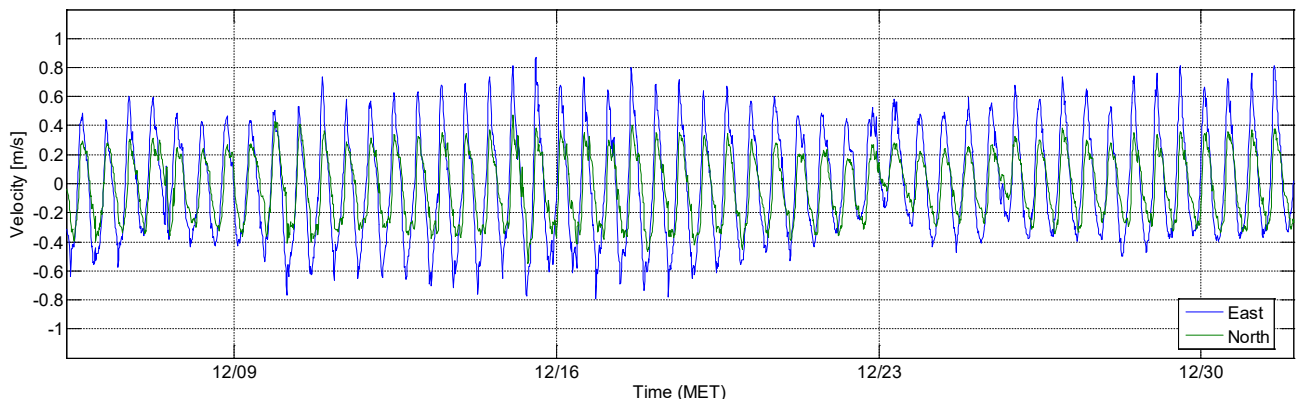


Figure 155 - Tripod deployment MOW1 (ADP): December 2012 - January 2013 - Flow decomposed along the estimated major axis (60°N) [m/s] at ~1.10mab (profile-averaged)

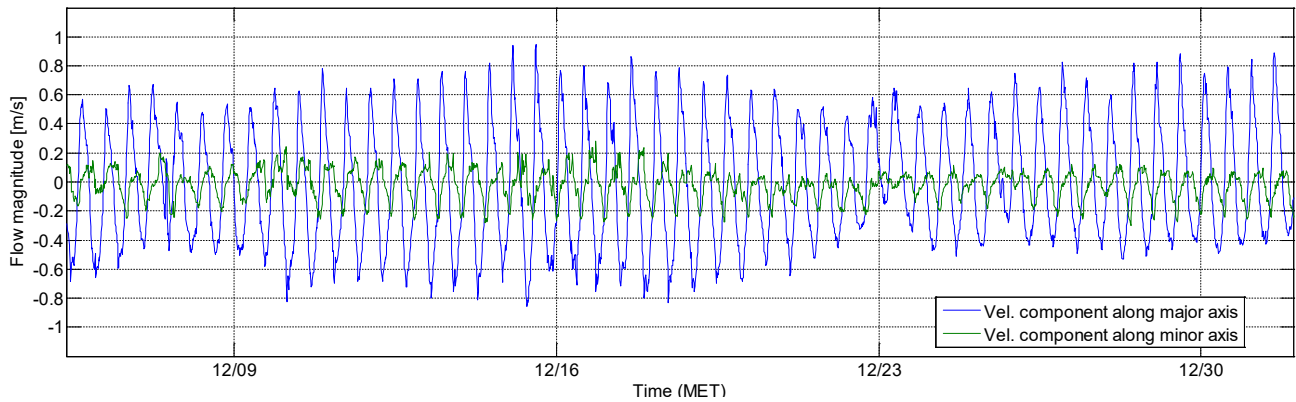


Figure 156 - Tripod deployment MOW1 (ADP): December 2012 - January 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=60.7°, dev=0.83°

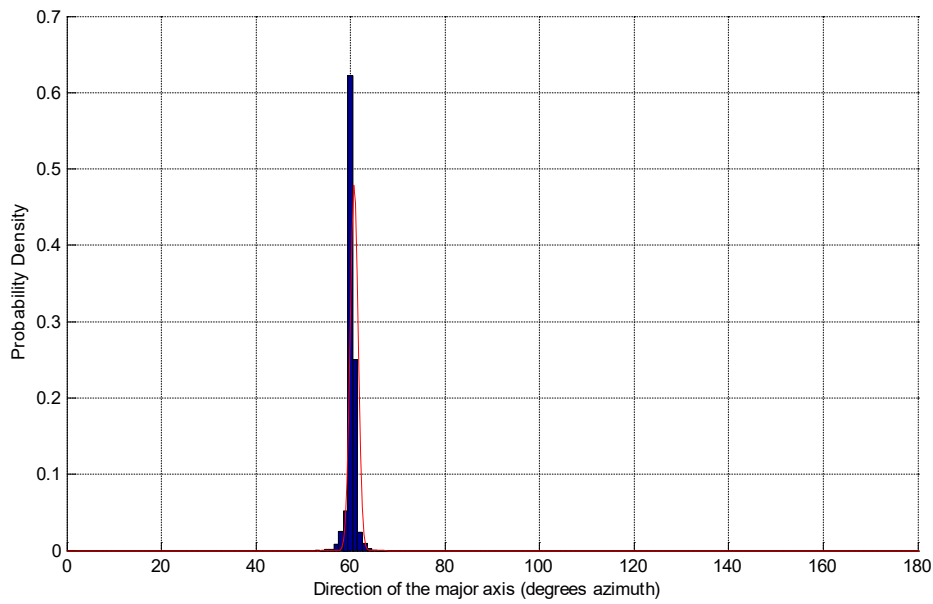
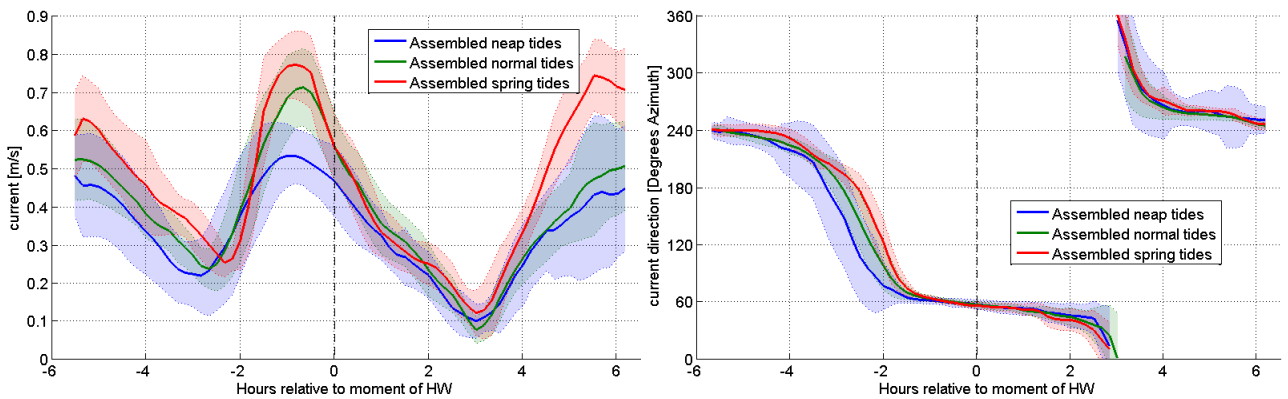


Figure 157 - Tripod deployment MOW1 (ADP): 05/12/2012 - 01/01/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.24 Tripod deployment MOW1 (ADP): January - March 2013

Figure 158 - Tripod deployment MOW1 (ADP): January - March 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

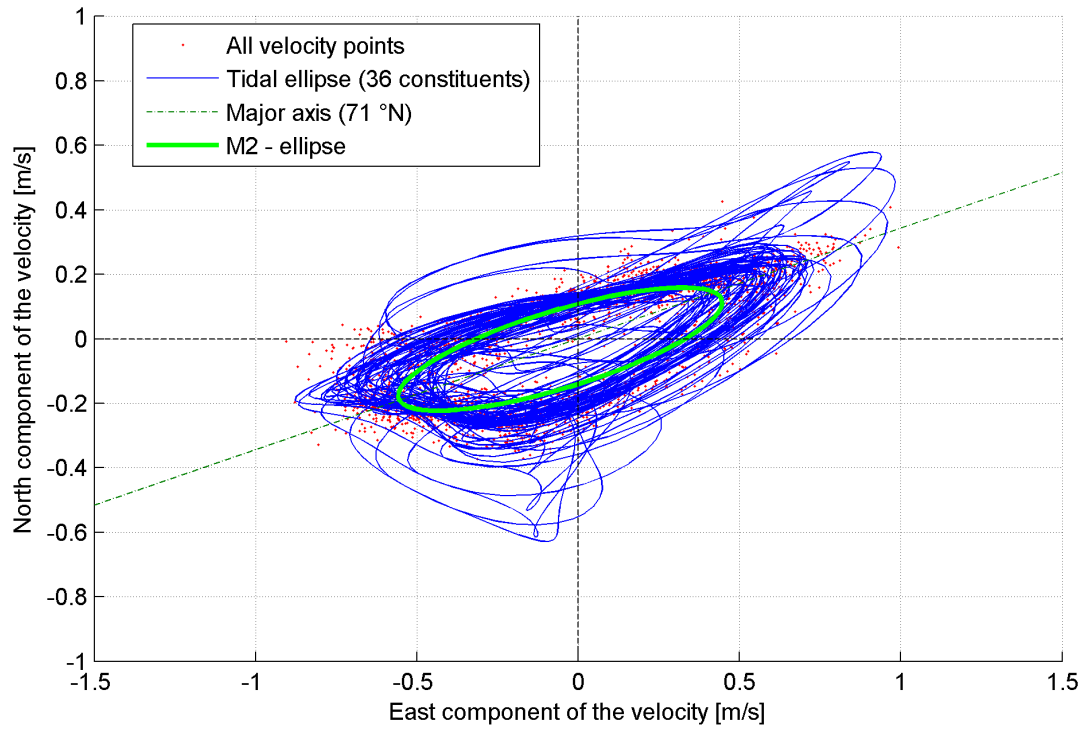


Figure 159 - Tripod deployment MOW1 (ADP): January - March 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

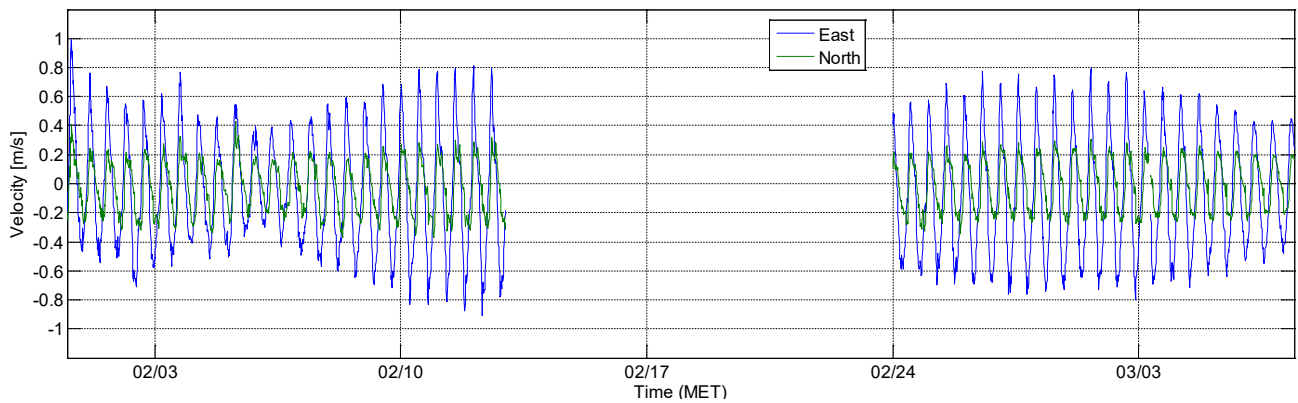


Figure 160 - Tripod deployment MOW1 (ADP): January - March 2013 - Flow decomposed along the estimated major axis (71°N) [m/s] at ~1.10mab (profile-averaged)

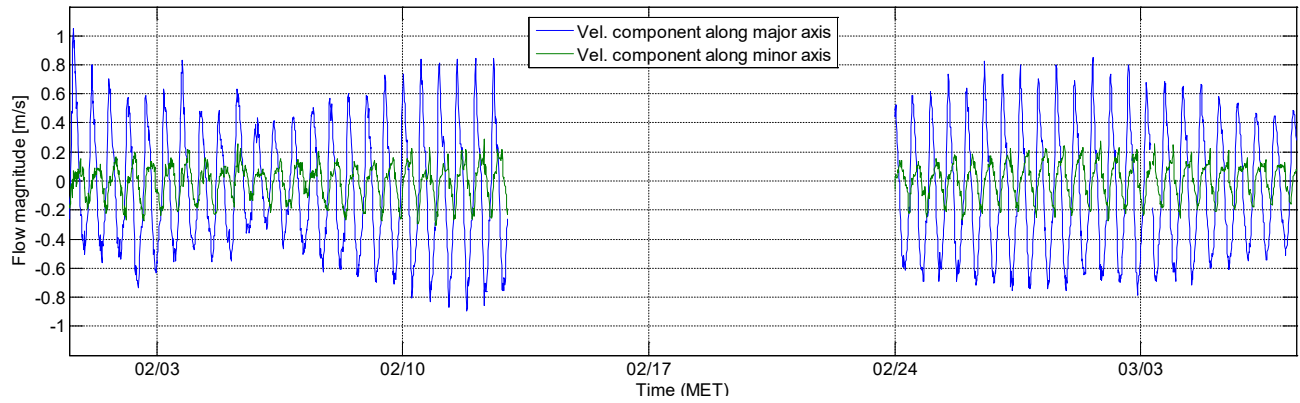
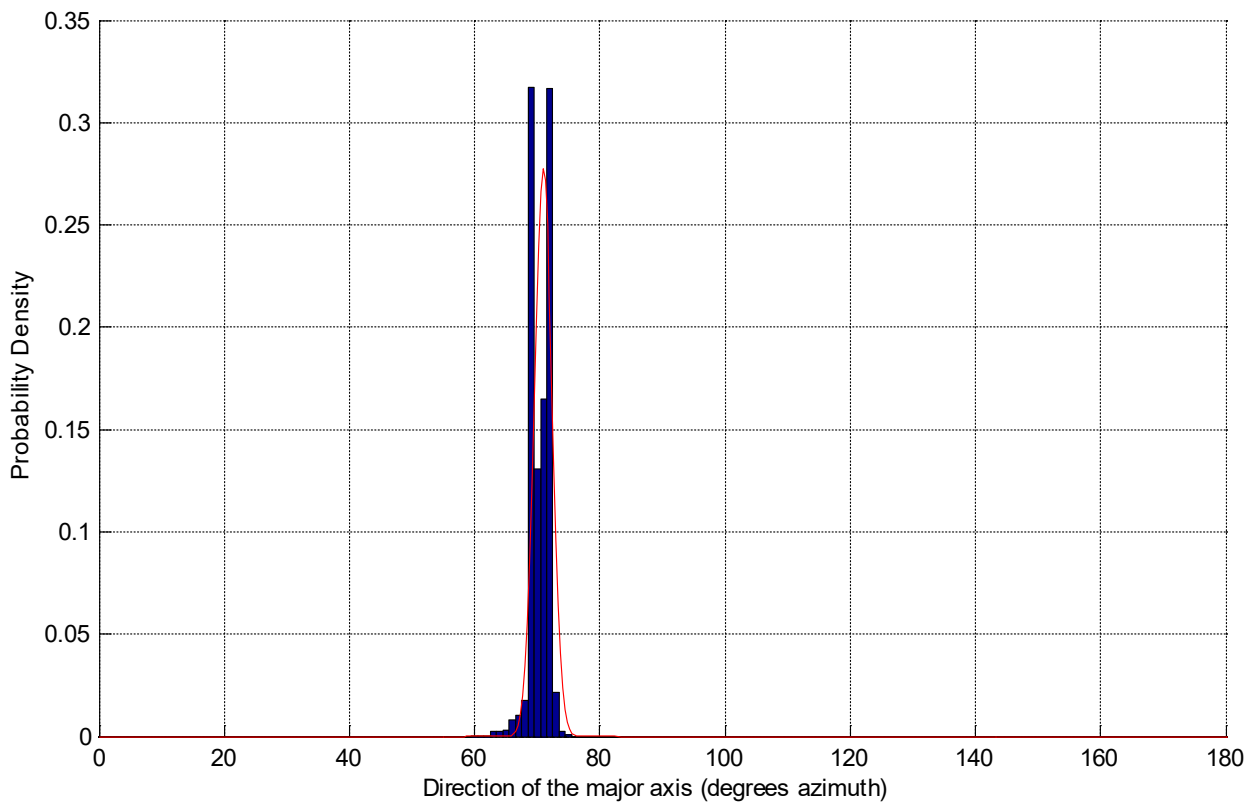


Figure 161 - Tripod deployment MOW1 (ADP): January - March 2013 - Probability density of major axis direction. Number of bootstrap samples: 2381, sample length: random number of tidal cycles), normal fit: mean=70.9°, dev=1.44°



D.2.25 Tripod deployment MOW1 (ADP): March 2013

Figure 162 - Tripod deployment MOW1 (ADP): March 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

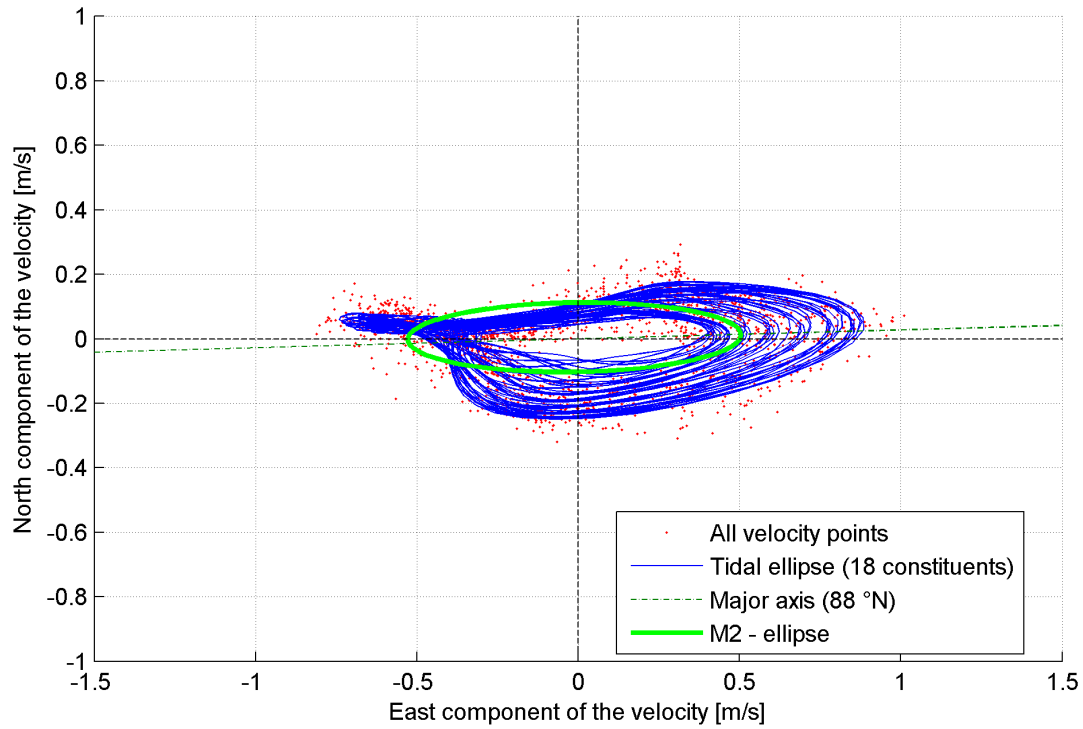


Figure 163 - Tripod deployment MOW1 (ADP): March 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

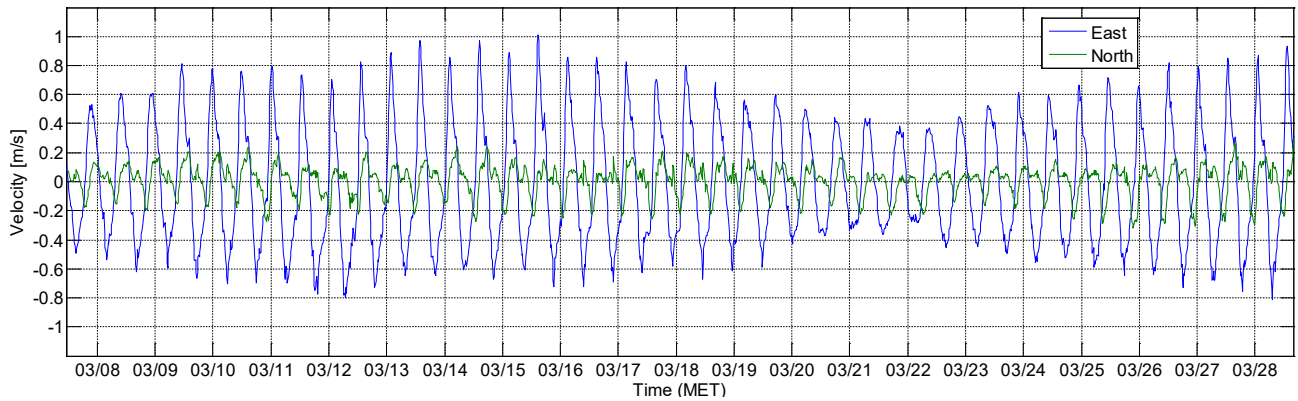


Figure 164 - Tripod deployment MOW1 (ADP): March 2013 - Flow decomposed along the estimated major axis (88°N) [m/s] at ~1.10mab (profile-averaged)

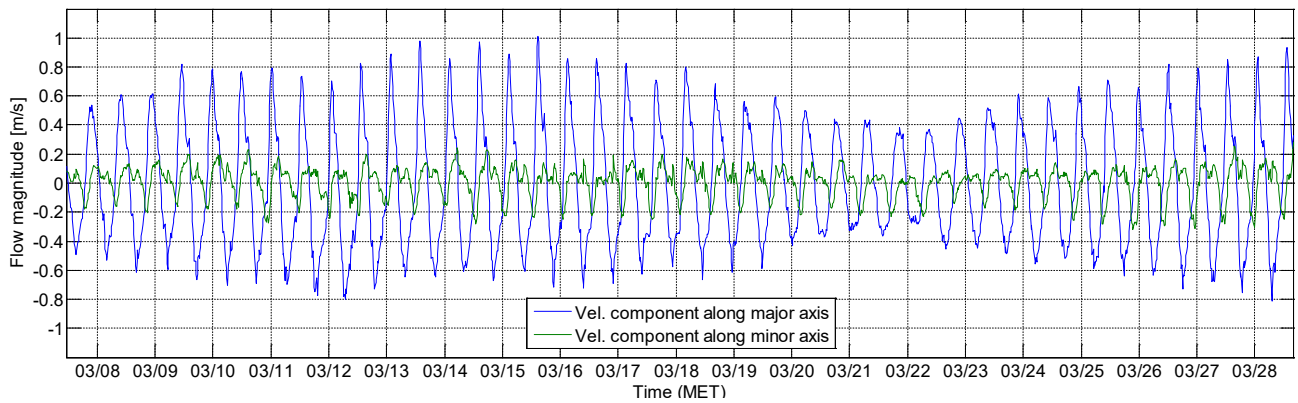


Figure 165 - Tripod deployment MOW1 (ADP): March 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.5°, dev=53.93°

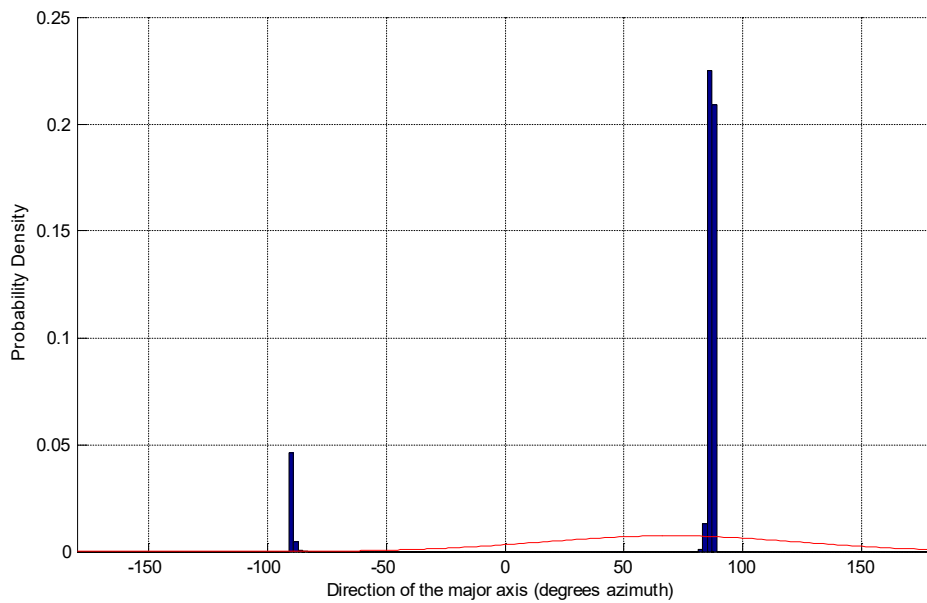
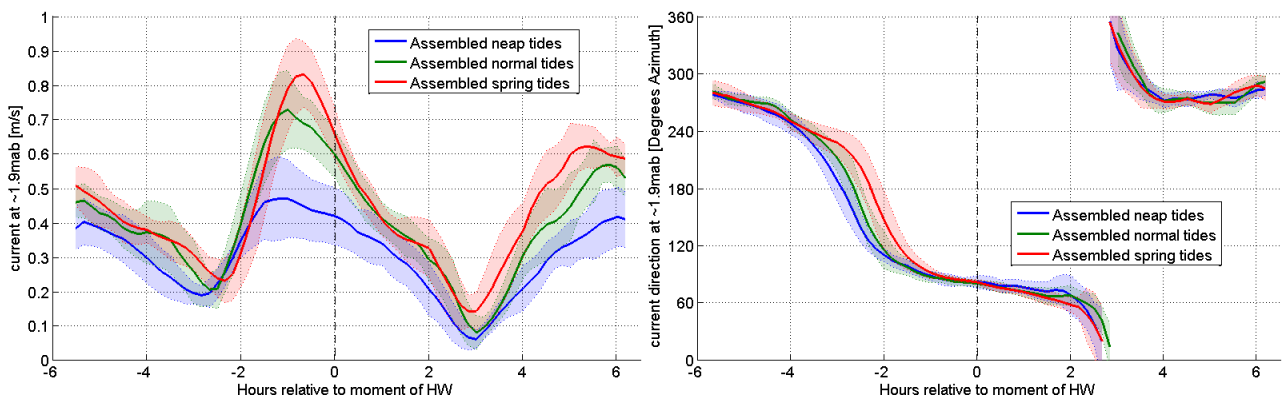


Figure 166 - Tripod deployment MOW1 (ADP): 07/03/2013 - 28/03/2013 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab



D.2.26 Tripod deployment MOW1 (ADP): March - April 2013

Figure 167 - Tripod deployment MOW1 (ADP): March - April 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

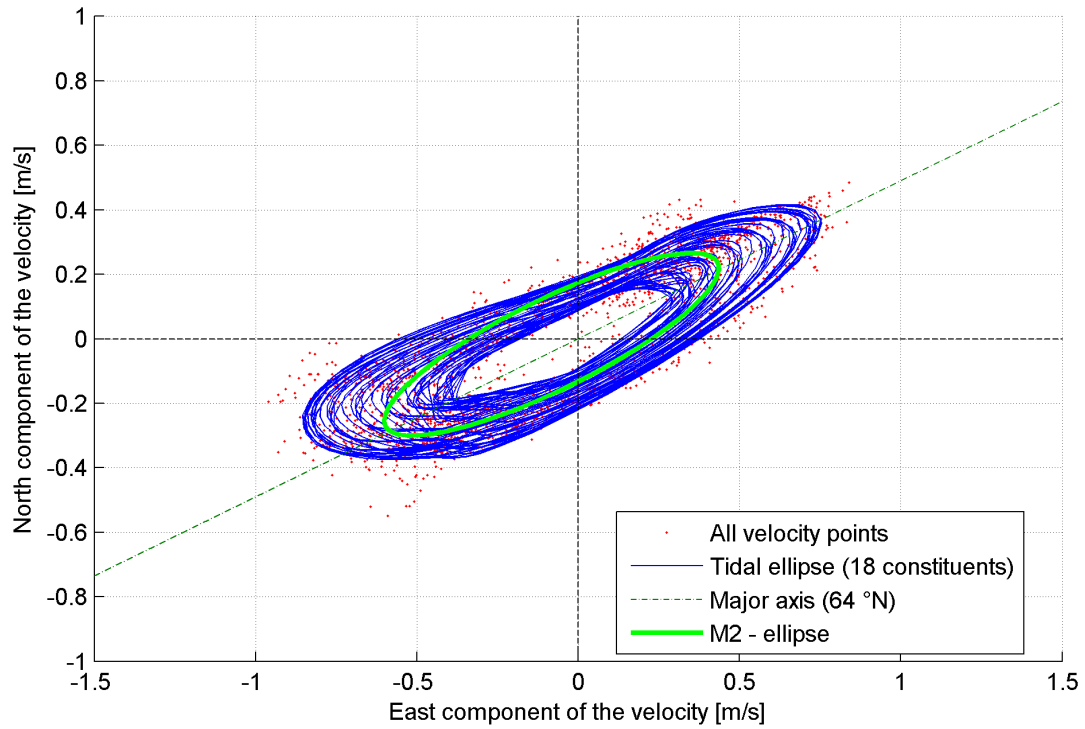


Figure 168 - Tripod deployment MOW1 (ADP): March - April 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

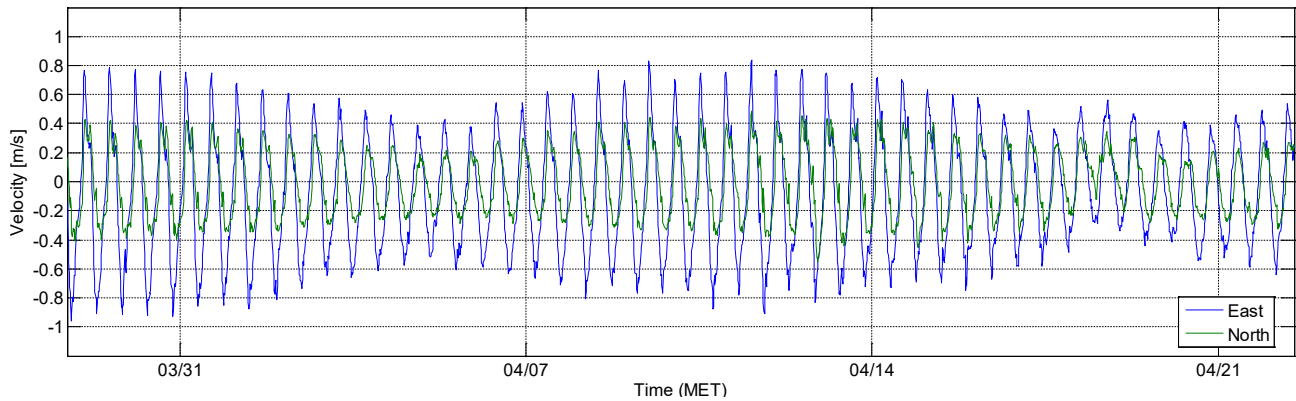


Figure 169 - Tripod deployment MOW1 (ADP): March - April 2013 - Flow decomposed along the estimated major axis (64°N) [m/s] at ~1.10mab (profile-averaged)

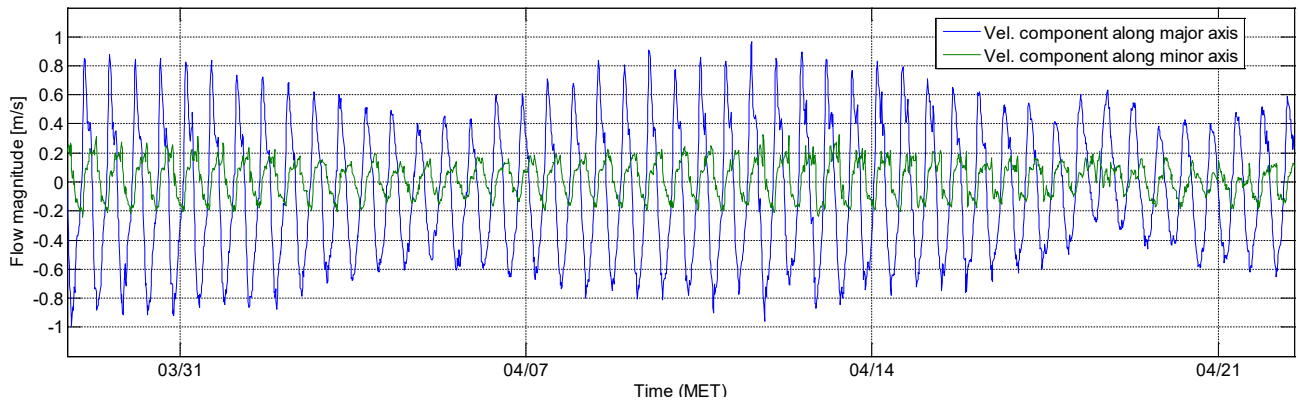


Figure 170 - Tripod deployment MOW1 (ADP): March - April 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.7°, dev=1.47°

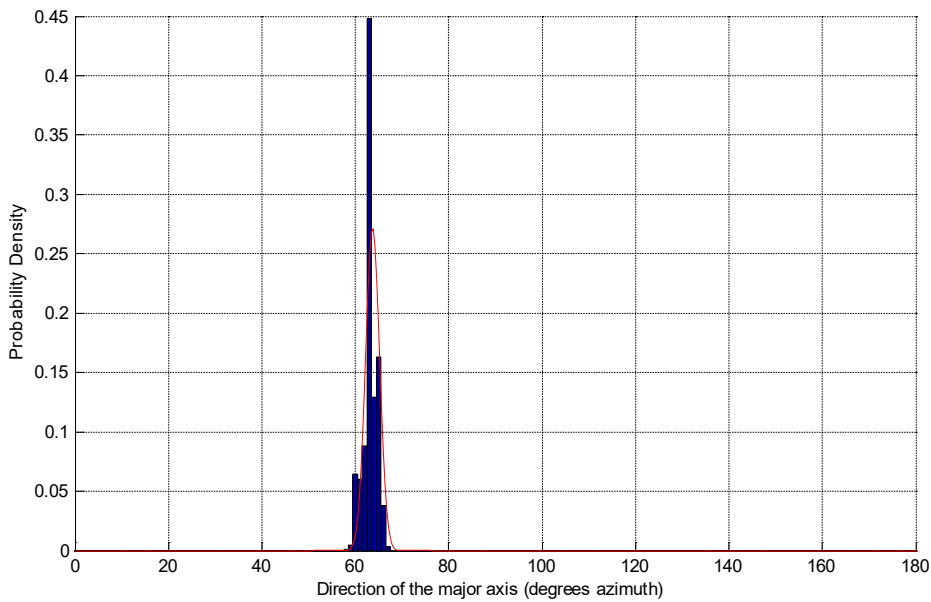
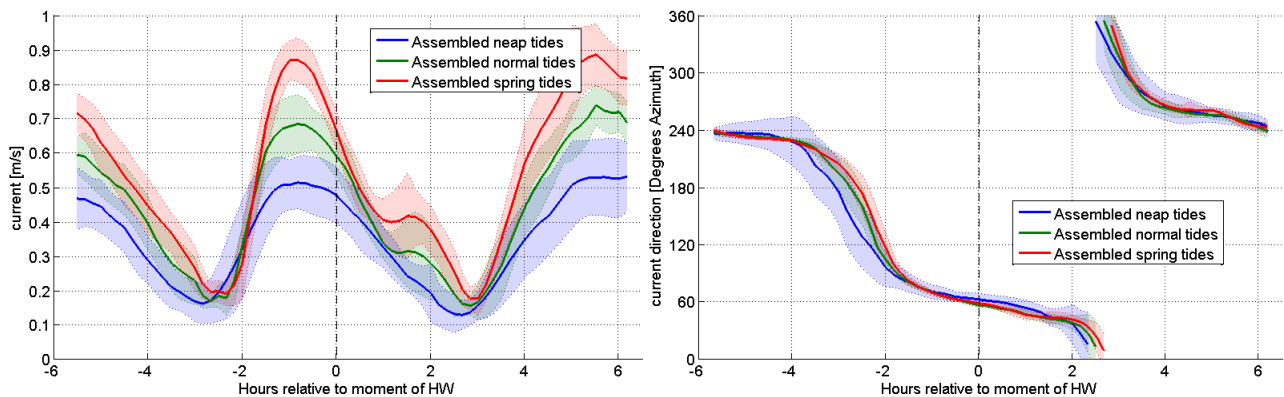


Figure 171 - Tripod deployment MOW1 (ADP): 28/03/2013 - 22/04/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.2.27 Tripod deployment MOW1 (ADP): April - May 2013

Figure 172 - Tripod deployment MOW1 (ADP): April - May 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

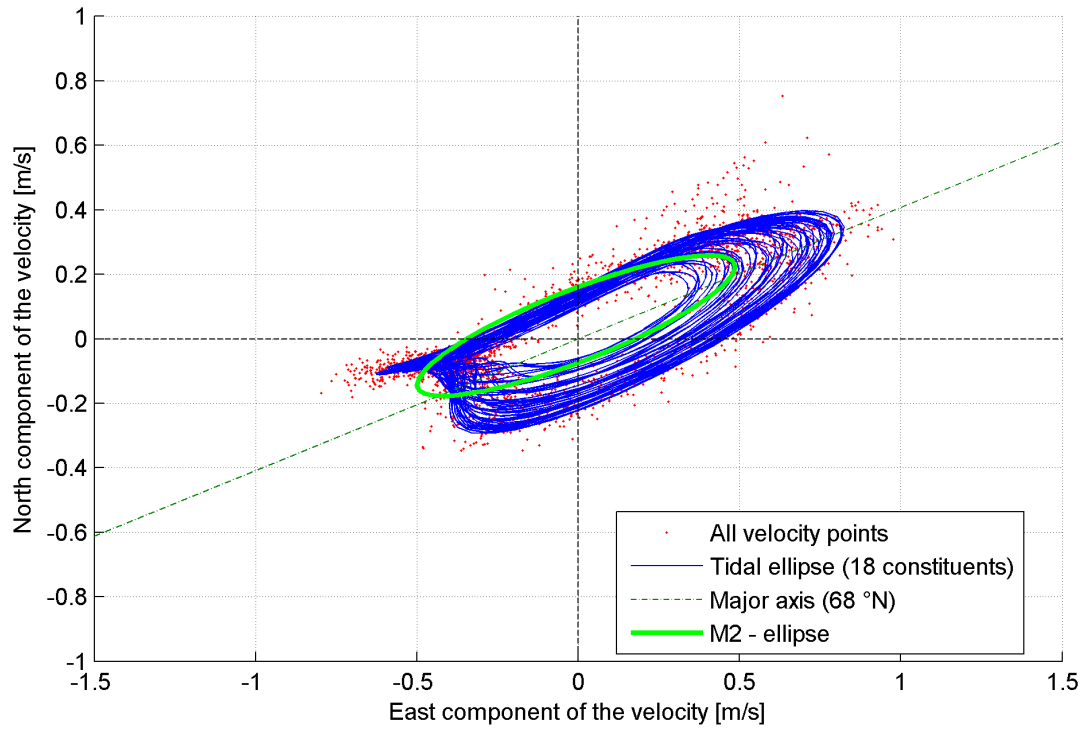


Figure 173 - Tripod deployment MOW1 (ADP): April - May 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

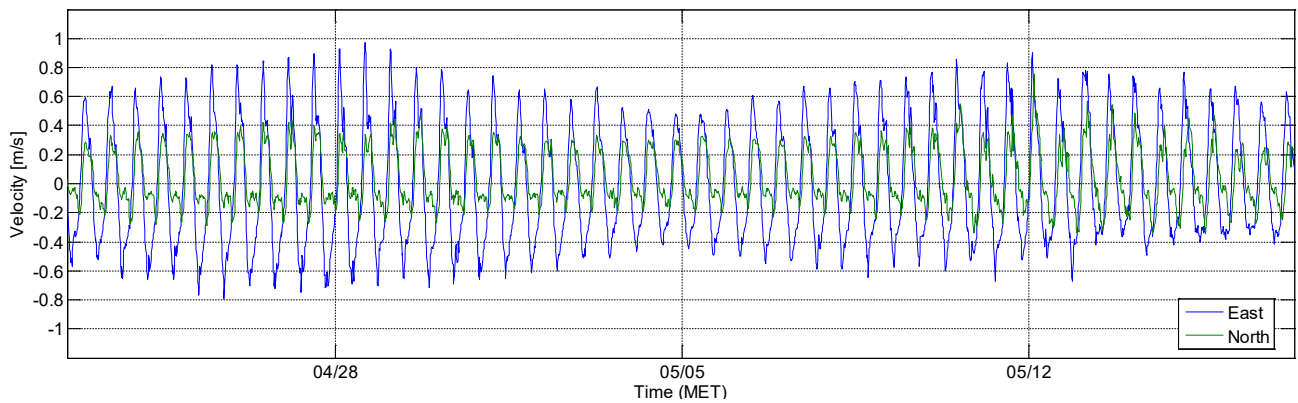


Figure 174 - Tripod deployment MOW1 (ADP): April - May 2013 - Flow decomposed along the estimated major axis (68°N) [m/s] at ~1.10mab (profile-averaged)

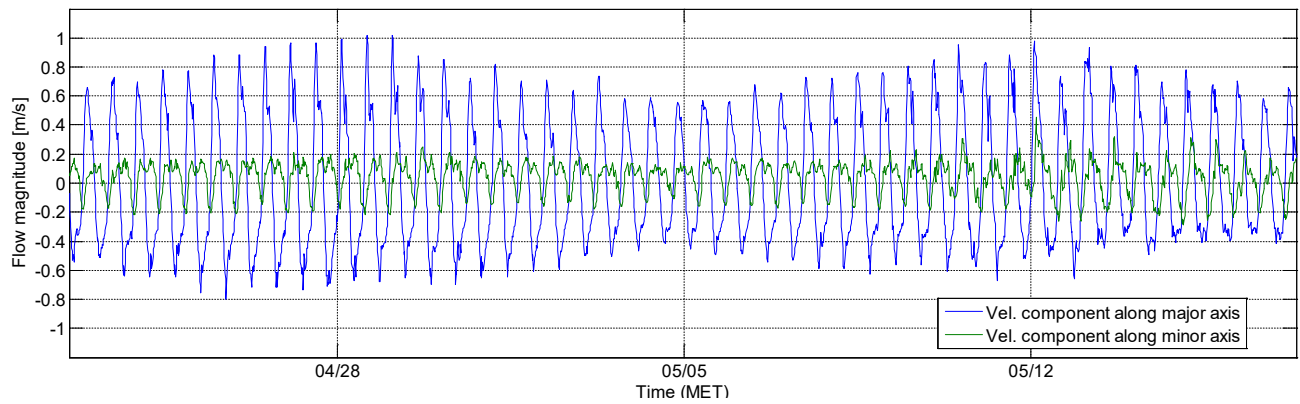
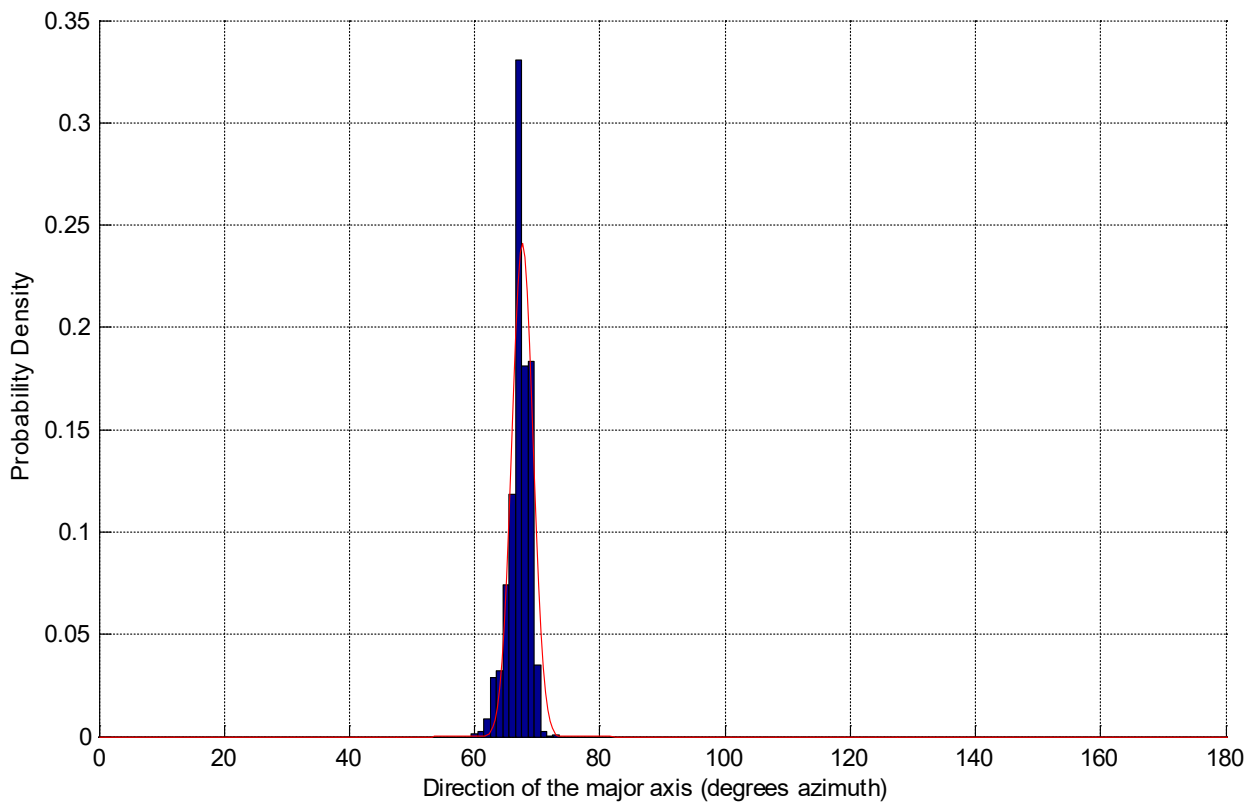


Figure 175 - Tripod deployment MOW1 (ADP): April - May 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.6°, dev=1.65°



D.2.28 Tripod deployment MOW1 (ADP): May - June 2013

Figure 176 - Tripod deployment MOW1 (ADP): May - June 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

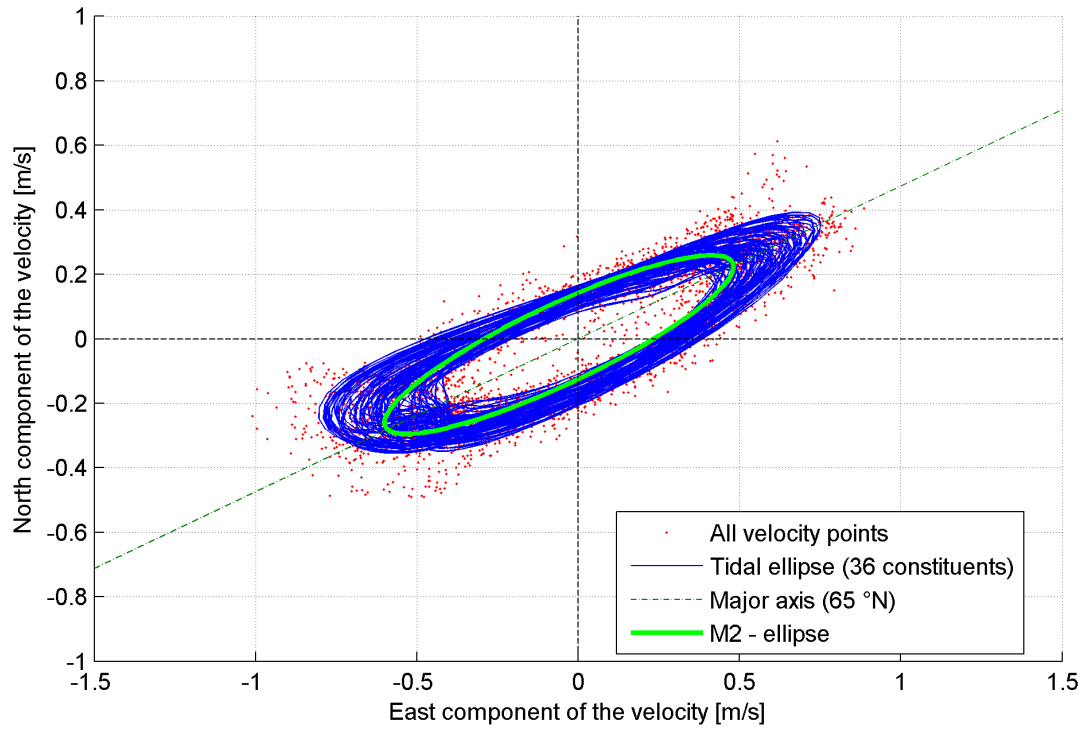


Figure 177 - Tripod deployment MOW1 (ADP): May - June 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

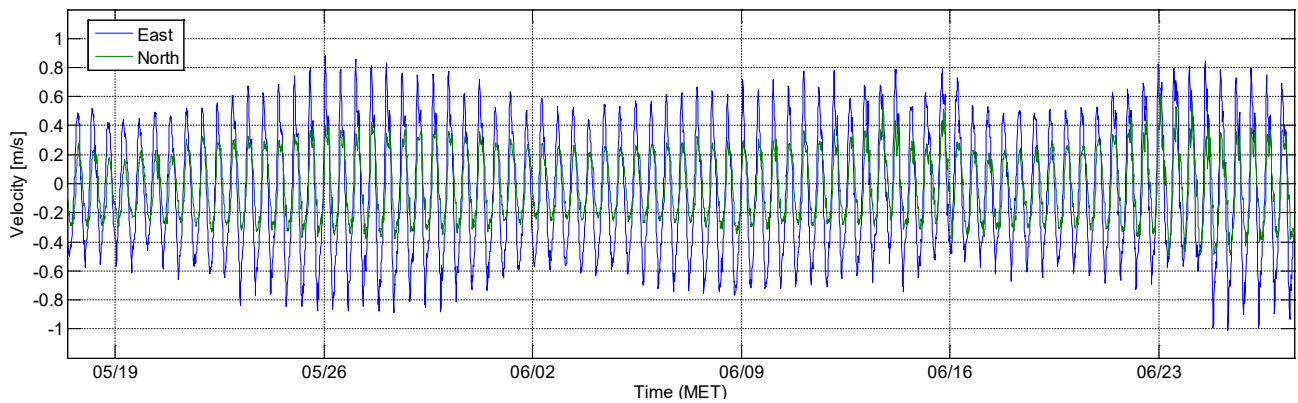


Figure 178 - Tripod deployment MOW1 (ADP): May - June 2013 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.10mab (profile-averaged)

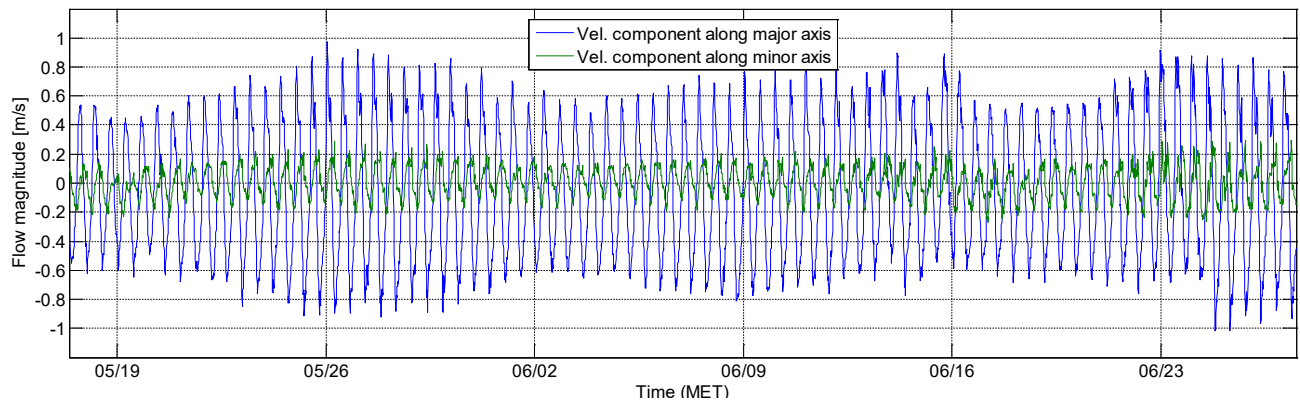
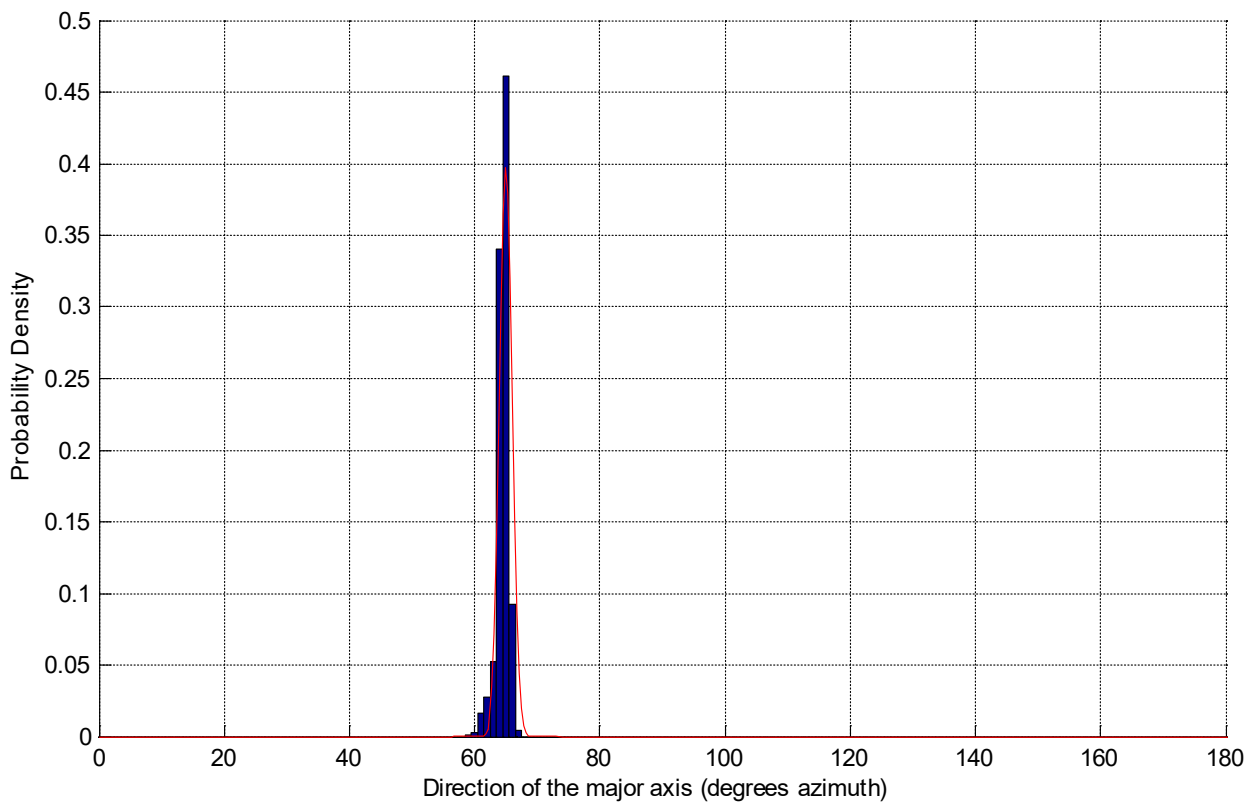


Figure 179 - Tripod deployment MOW1 (ADP): May - June 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.0°, dev=1.00°



D.2.29 Tripod deployment MOW1 (ADP): June - July 2013

Figure 180 - Tripod deployment MOW1 (ADP): June - July 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

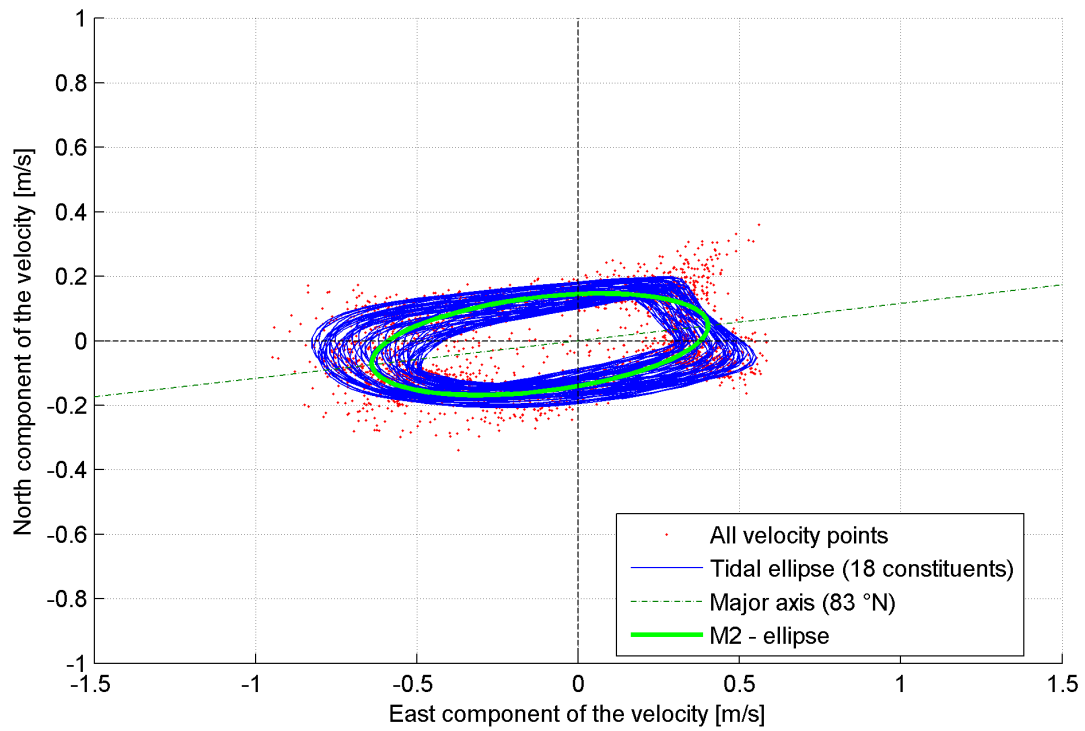


Figure 181 - Tripod deployment MOW1 (ADP): June - July 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

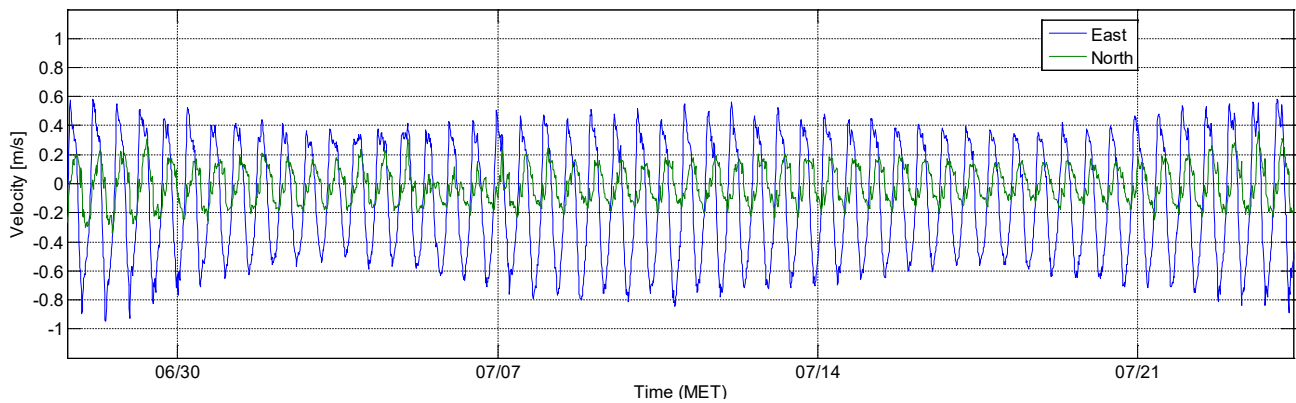


Figure 182 - Tripod deployment MOW1 (ADP): June - July 2013 - Flow decomposed along the estimated major axis (83°N) [m/s] at ~1.10mab (profile-averaged)

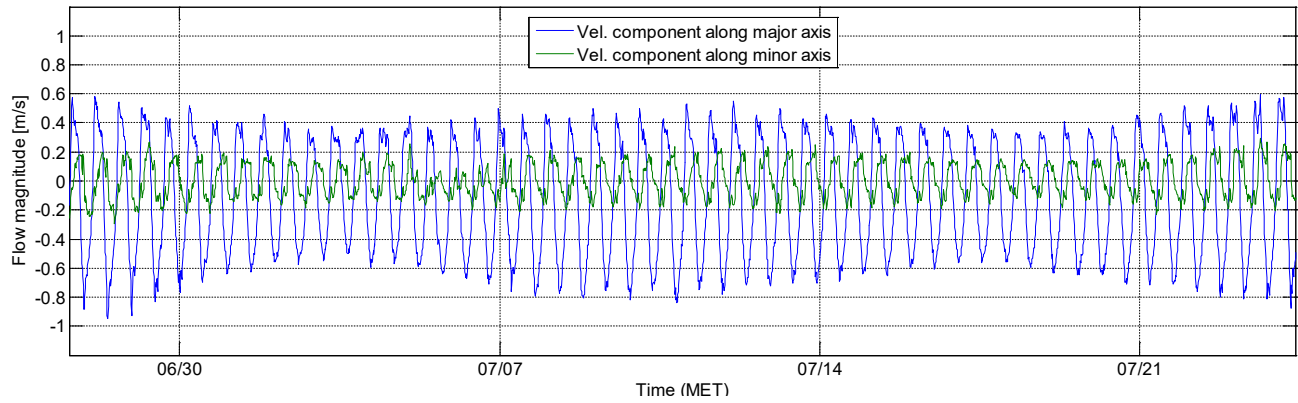
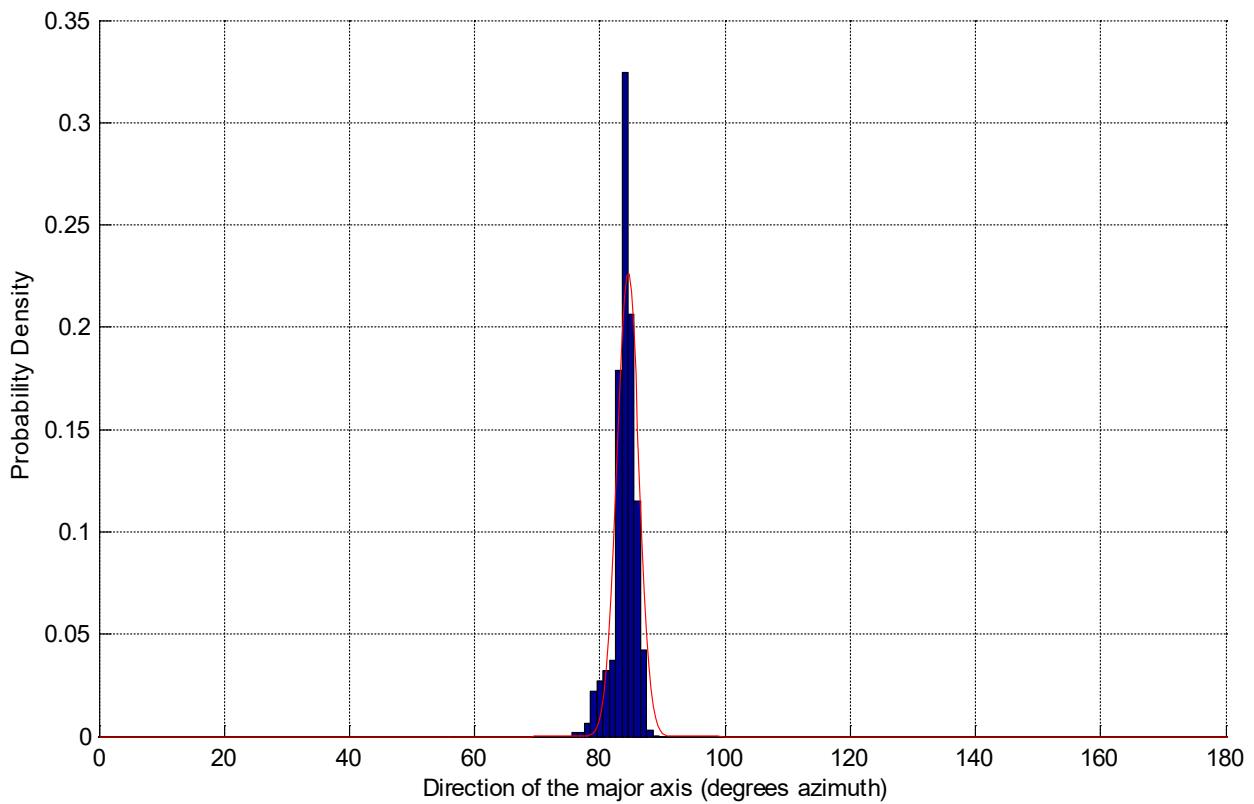


Figure 183 - Tripod deployment MOW1 (ADP): June - July 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=84.5°, dev=1.76°



D.2.30 Tripod deployment MOW1 (ADP): July - August 2013

Figure 184 - Tripod deployment MOW1 (ADP): July - August 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (30 constituents)

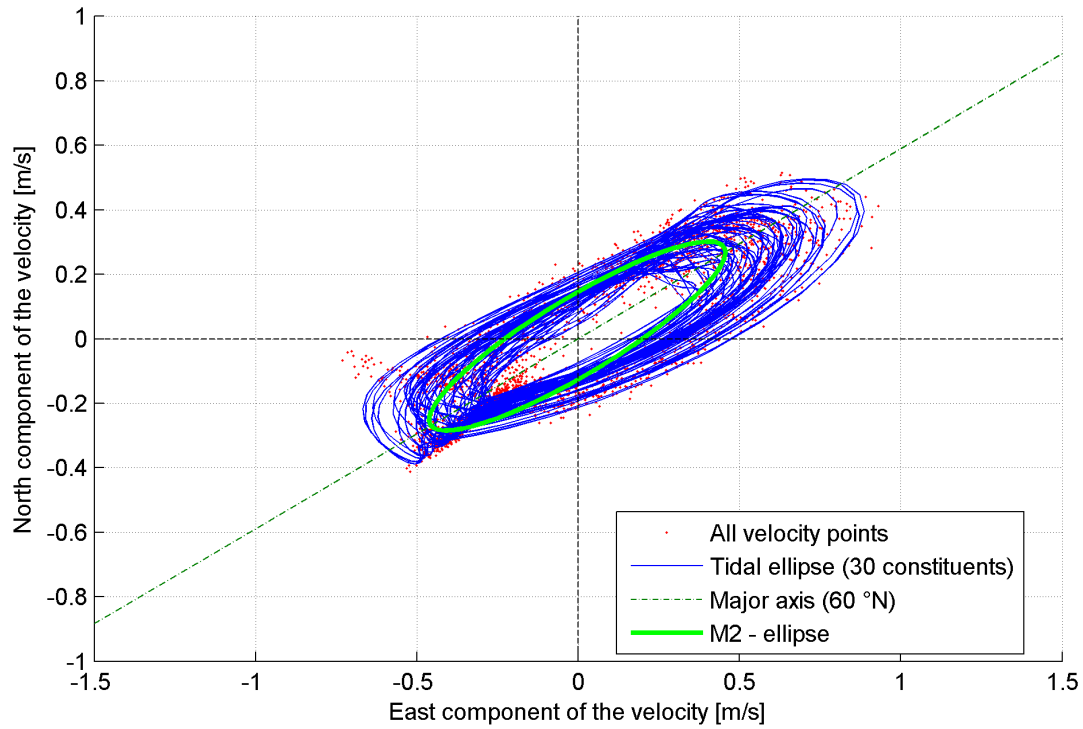


Figure 185 - Tripod deployment MOW1 (ADP): July - August 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

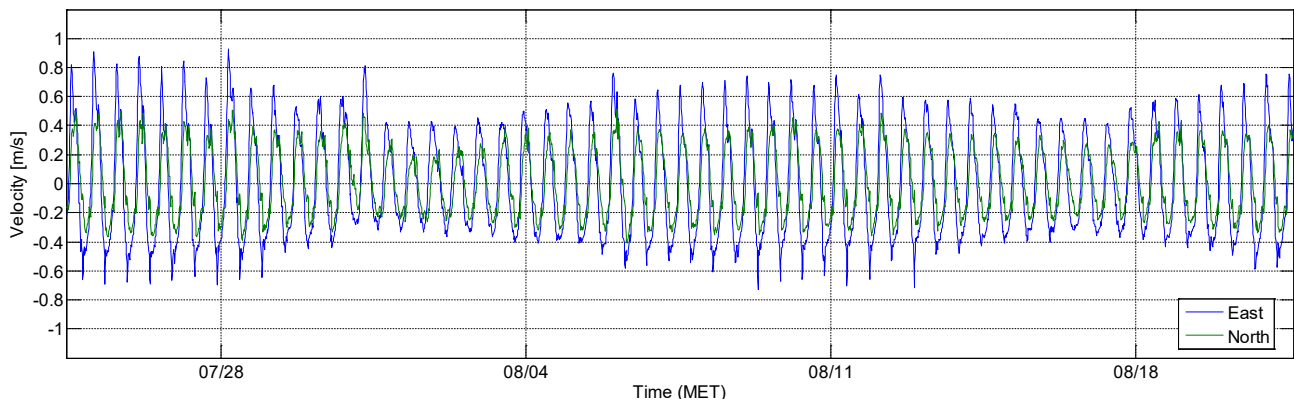


Figure 186 - Tripod deployment MOW1 (ADP): July - August 2013 - Flow decomposed along the estimated major axis (60°N) [m/s] at ~1.10mab (profile-averaged)

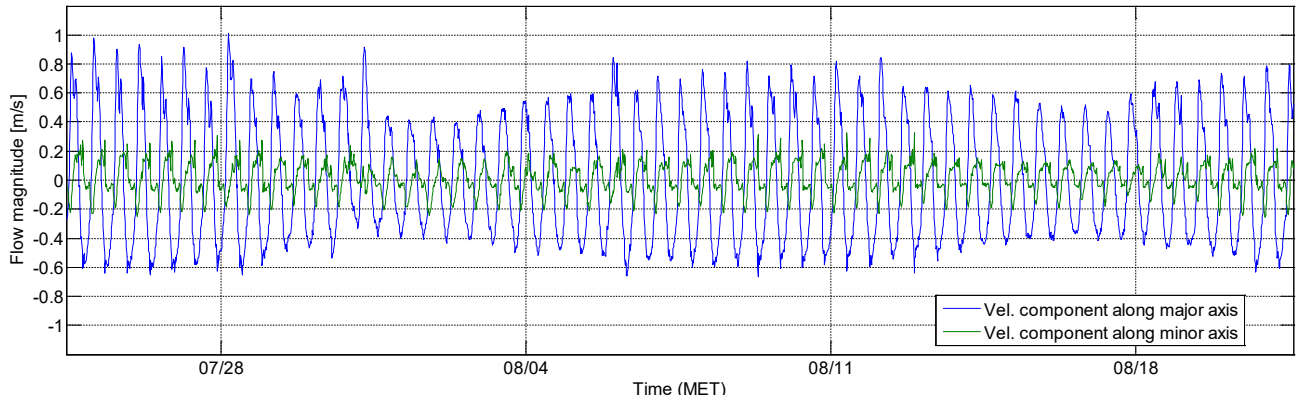
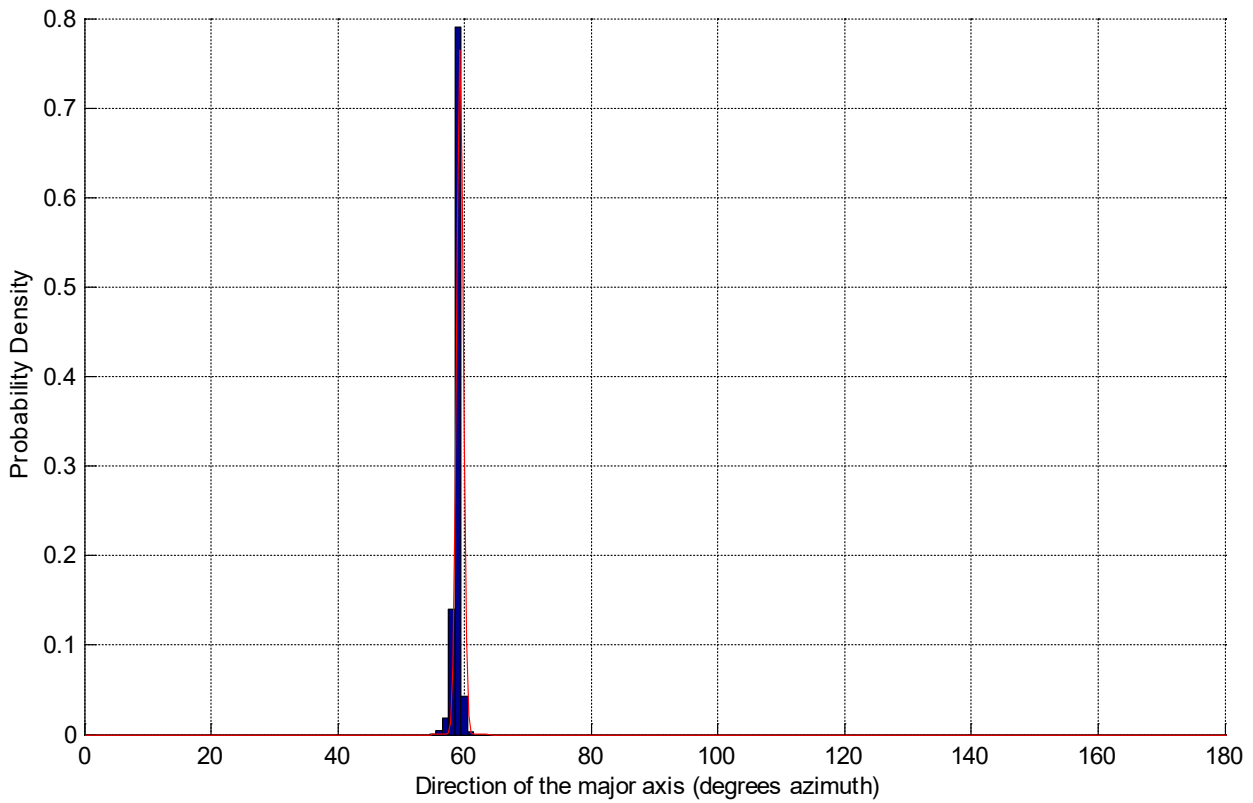


Figure 187 - Tripod deployment MOW1 (ADP): July - August 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=59.3°, dev=0.52°



D.2.31 Tripod deployment MOW1 (ADP): August - September 2013

Figure 188 - Tripod deployment MOW1 (ADP): August - September 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

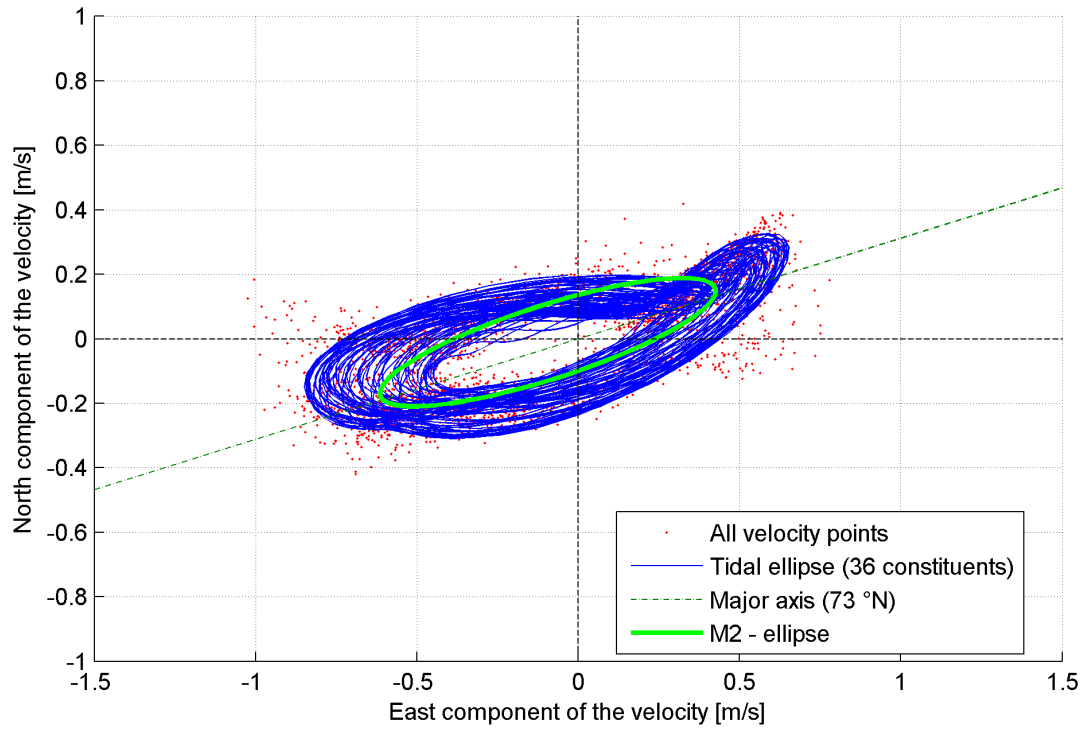


Figure 189 - Tripod deployment MOW1 (ADP): August - September 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

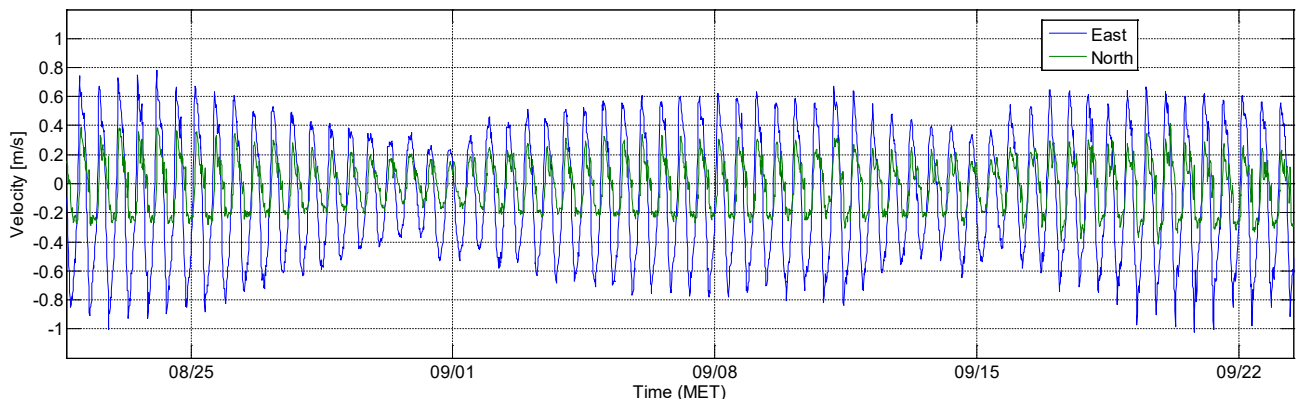


Figure 190 - Tripod deployment MOW1 (ADP): August - September 2013 - Flow decomposed along the estimated major axis (73°N) [m/s] at ~1.10mab (profile-averaged)

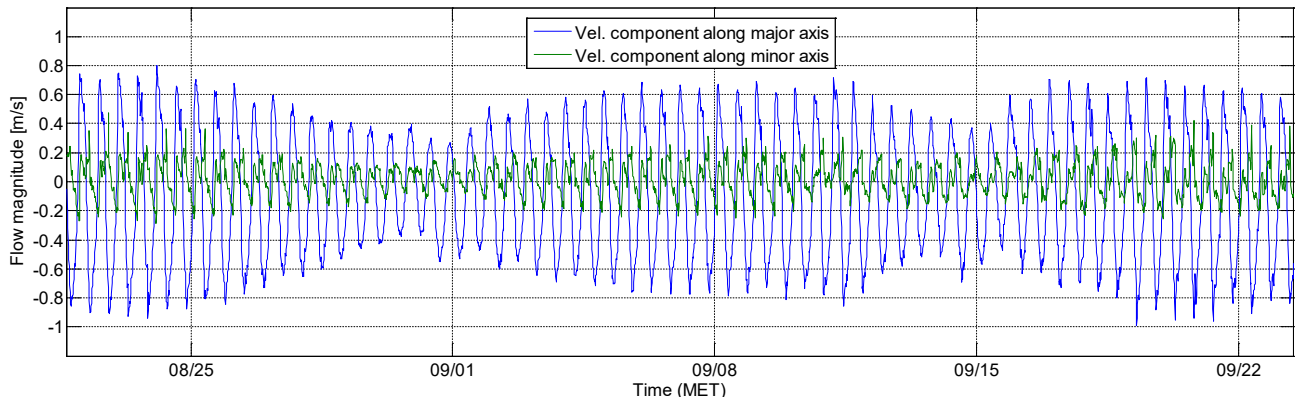


Figure 191 - Tripod deployment MOW1 (ADP): August - September 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.5°, dev=0.74°

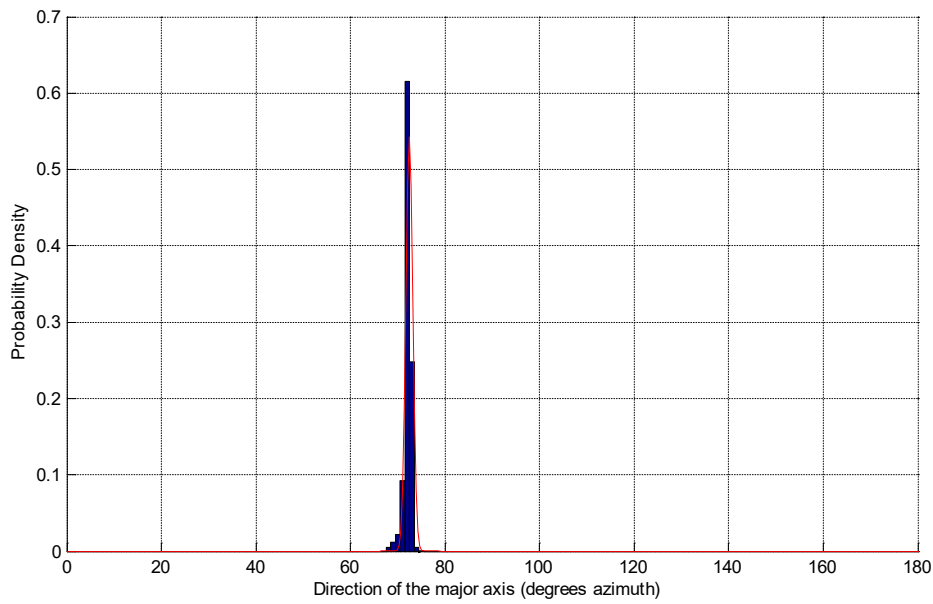
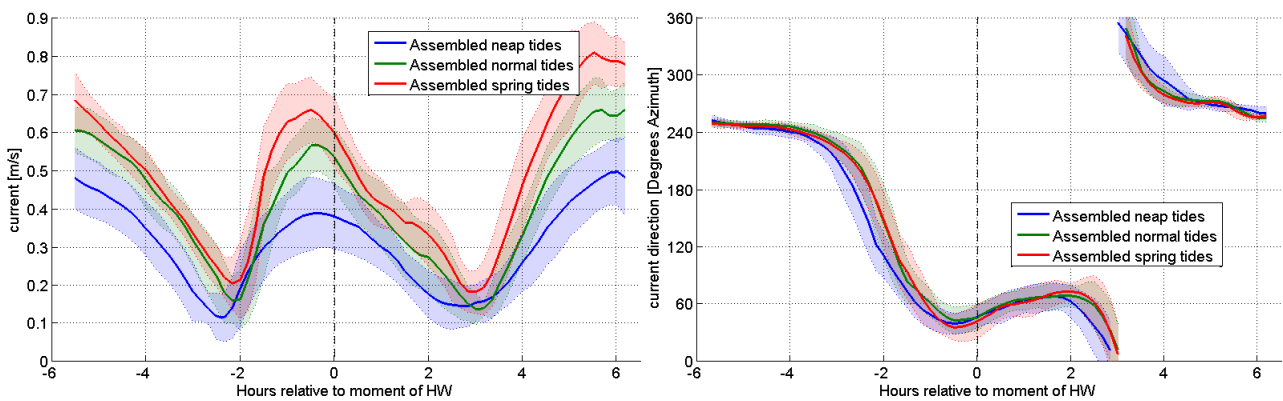


Figure 192 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab, MOW1, 21/08/2013 - 23/09/2013



D.2.32 Tripod deployment MOW1 (ADP): September - October 2013

Figure 193 - Tripod deployment MOW1 (ADP): September - October 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

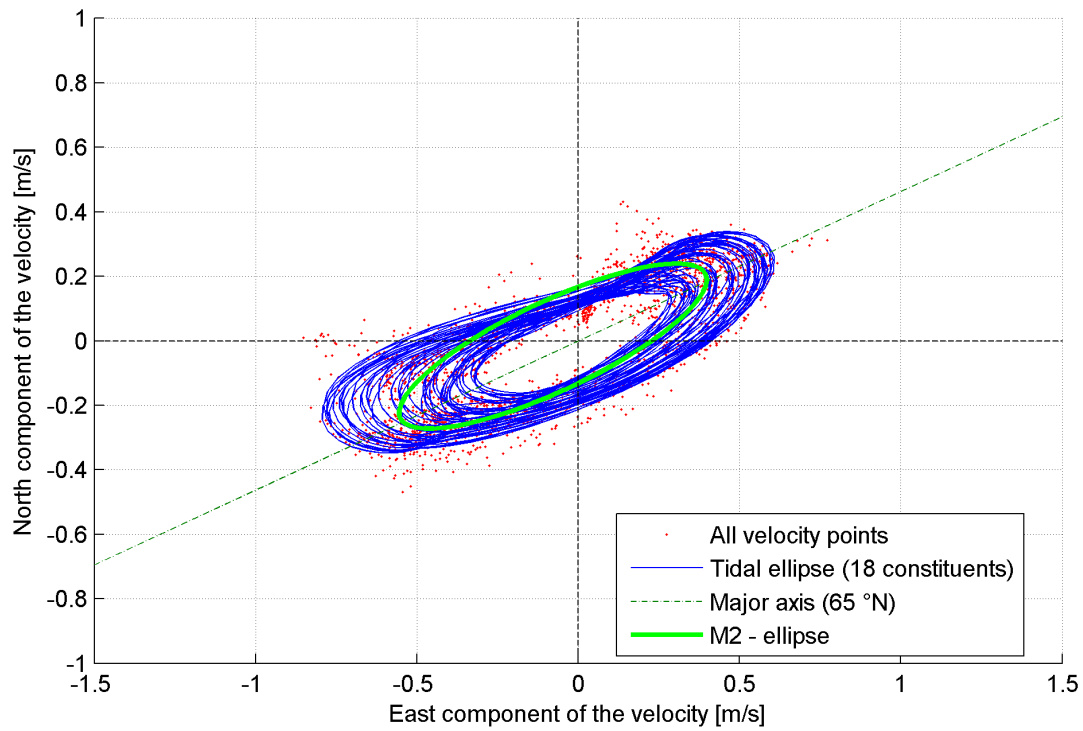


Figure 194 - Tripod deployment MOW1 (ADP): September - October 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

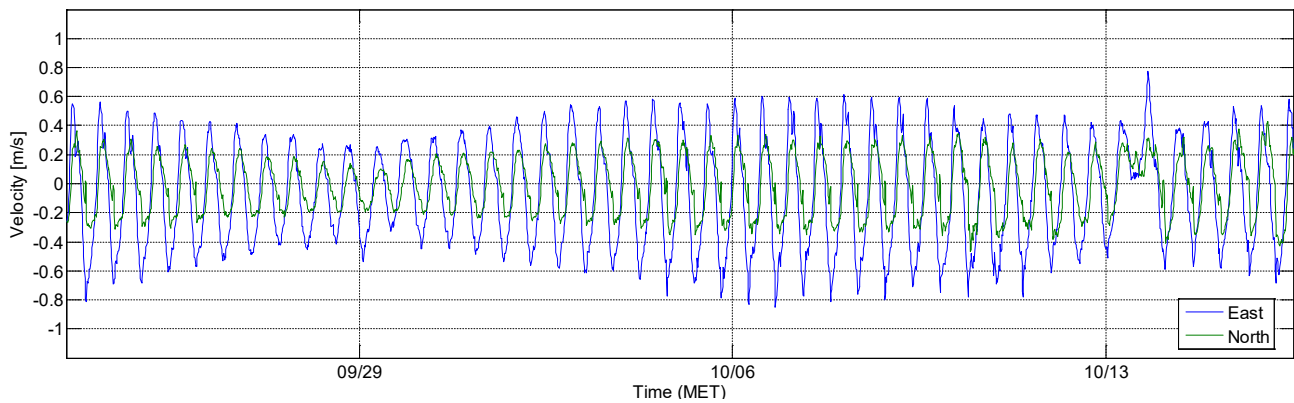


Figure 195 - Tripod deployment MOW1 (ADP): September - October 2013 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.10mab (profile-averaged)

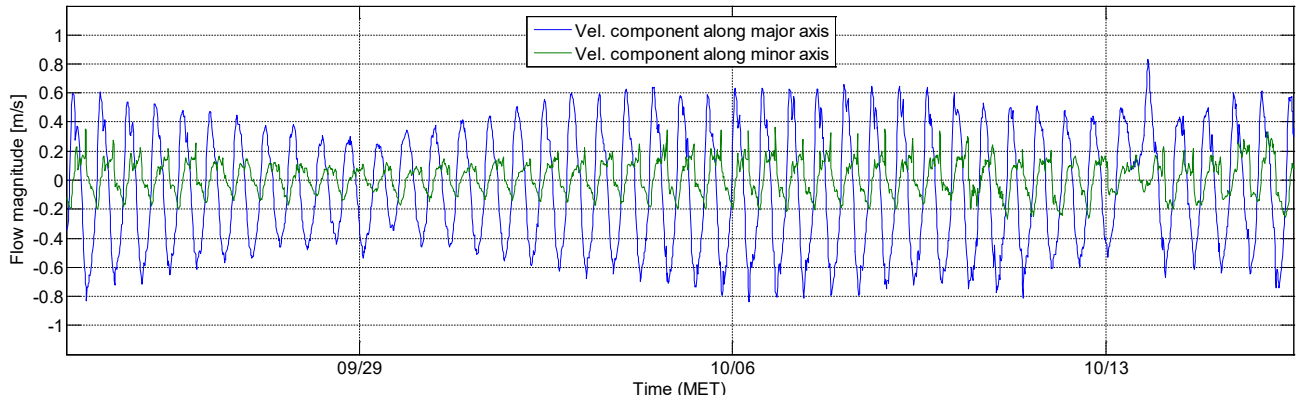
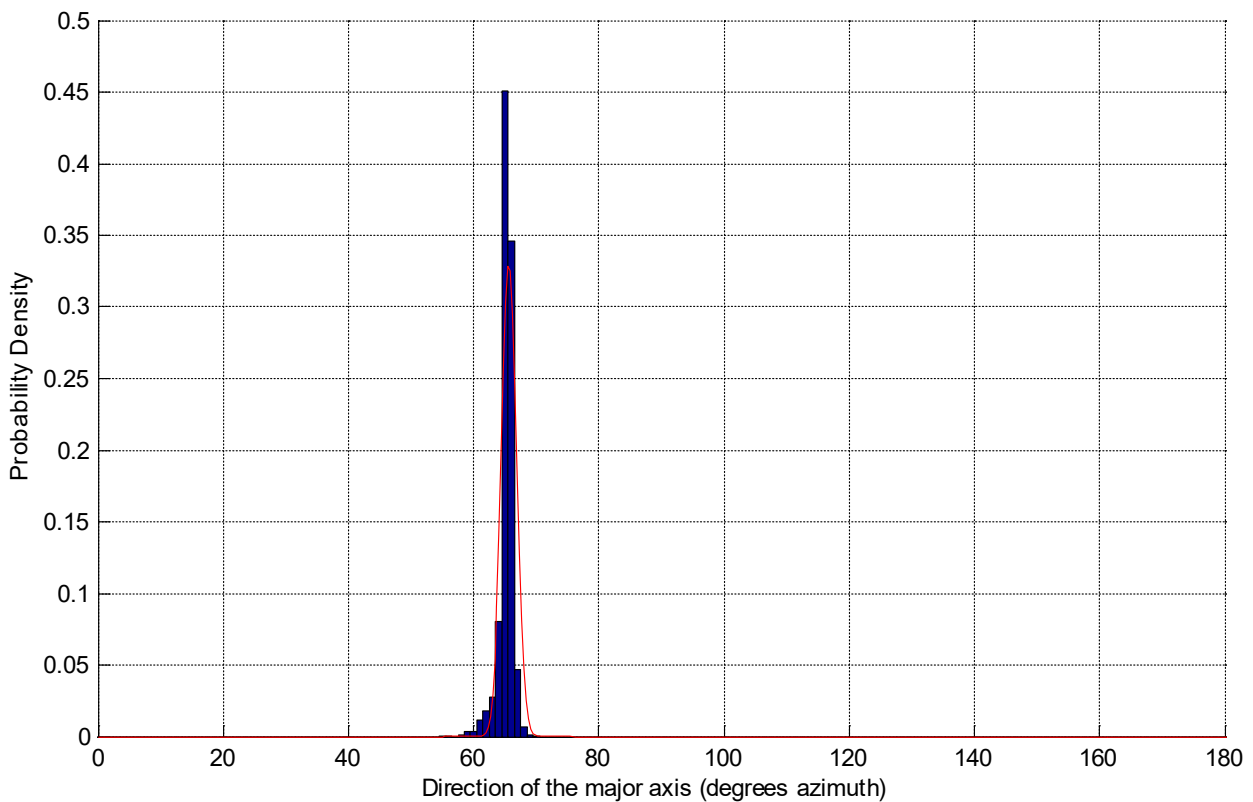


Figure 196 - Tripod deployment MOW1 (ADP): September - October 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.7°, dev=1.21°



D.2.33 Tripod deployment MOW1 (ADP): October - November 2013

Figure 197 - Tripod deployment MOW1 (ADP): October - November 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (36 constituents)

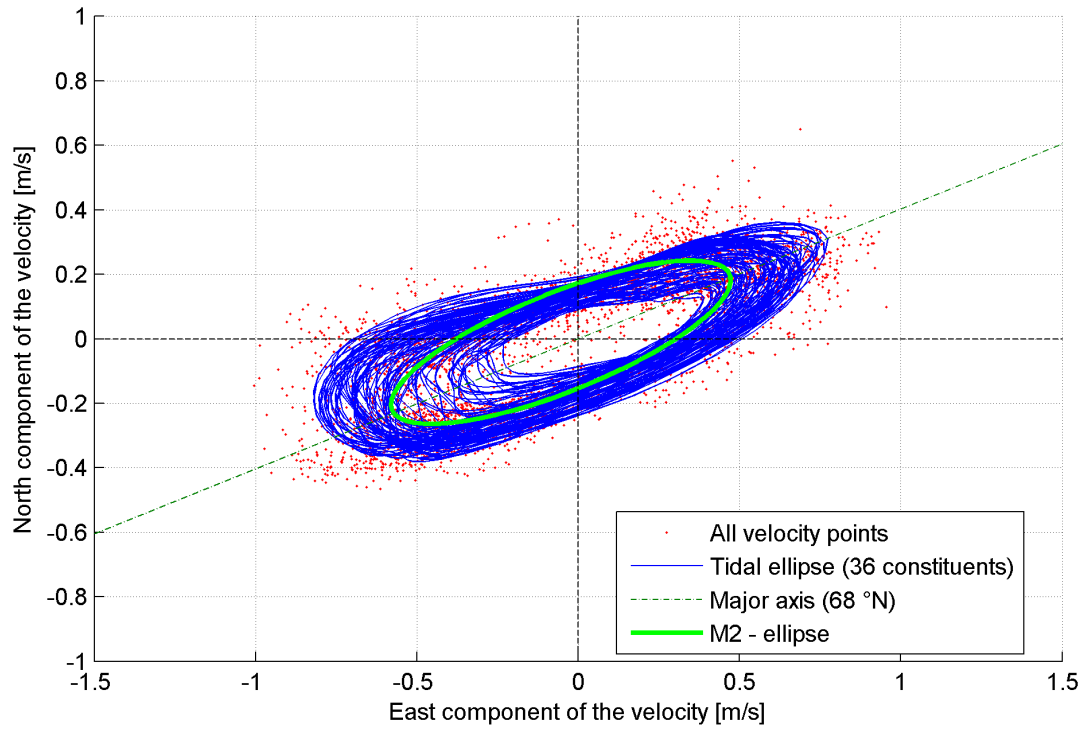


Figure 198 - Tripod deployment MOW1 (ADP): October - November 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

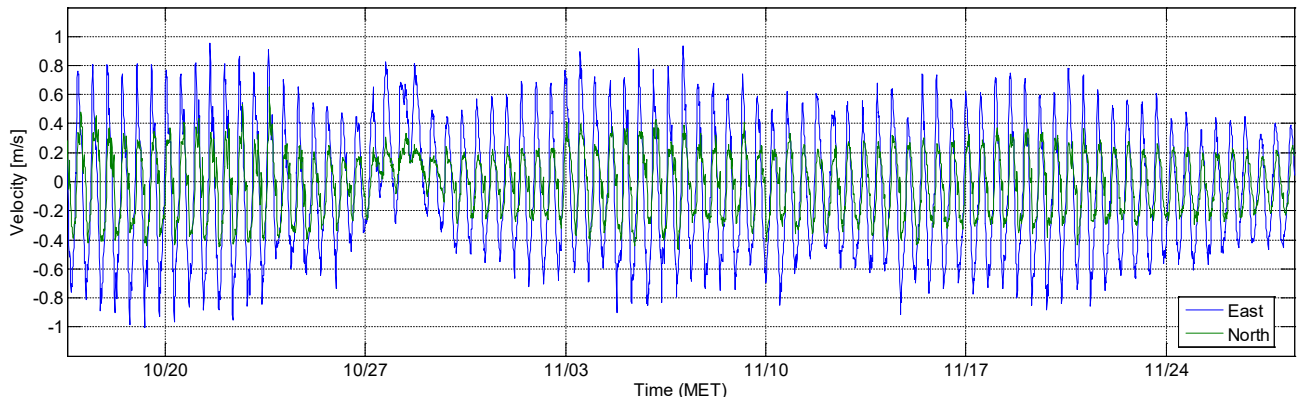


Figure 199 - Tripod deployment MOW1 (ADP): October - November 2013 - Flow decomposed along the estimated major axis (68°N) [m/s] at ~1.10mab (profile-averaged)

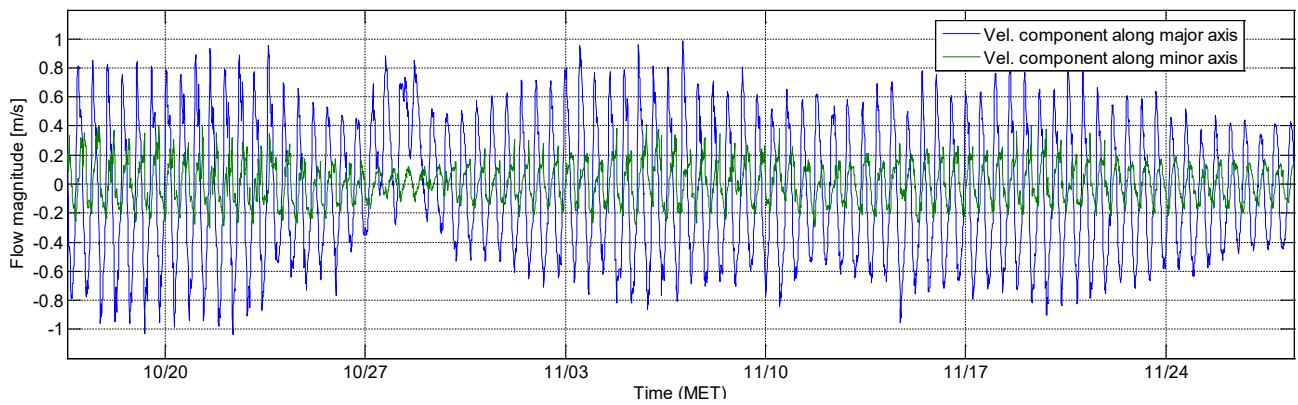


Figure 200 - Tripod deployment MOW1 (ADP): October - November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=68.2°, dev=0.75°

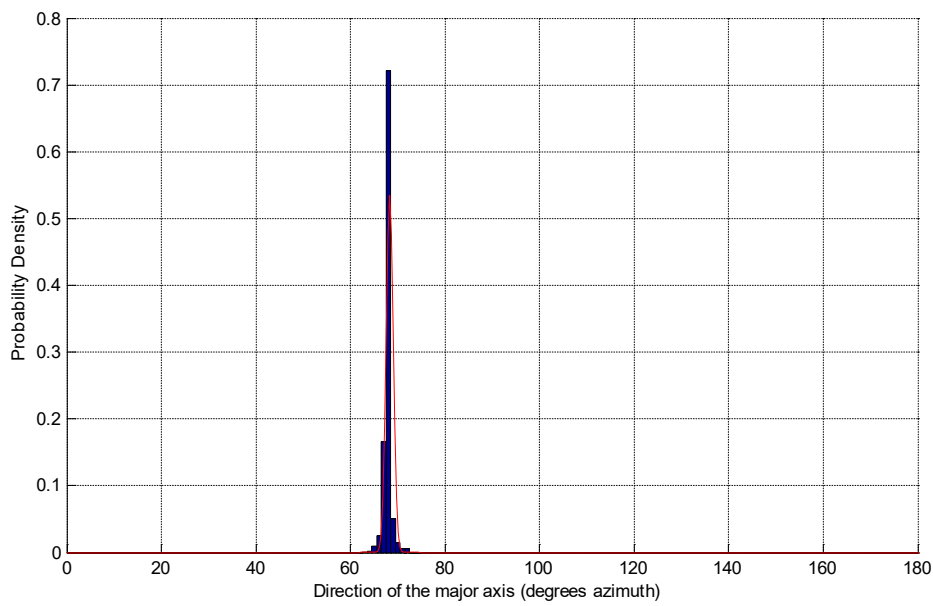
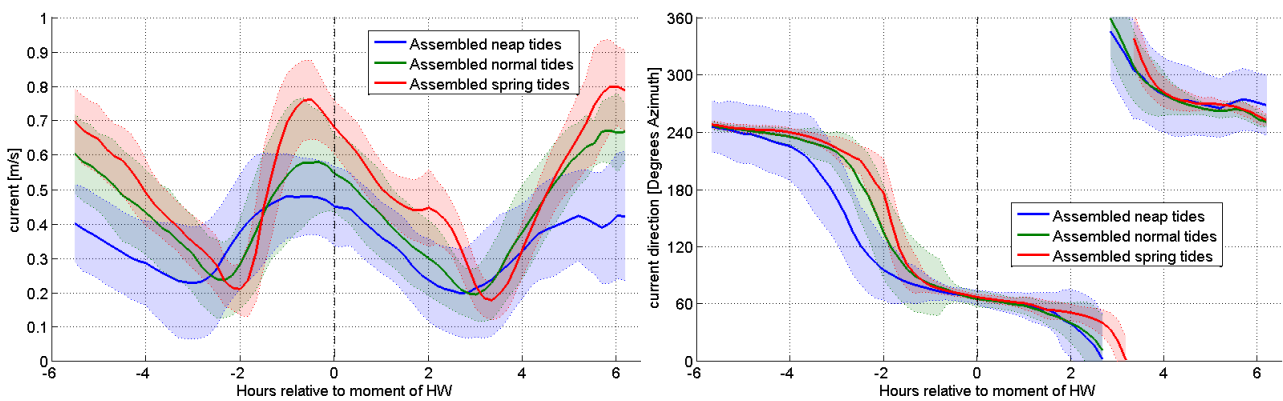


Figure 201 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab, MOW1, 16/10/2013 - 28/11/2013



D.2.34 Tripod deployment MOW1 (ADP): November - December 2013

Figure 202 - Tripod deployment MOW1 (ADP): November - December 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (10 constituents)

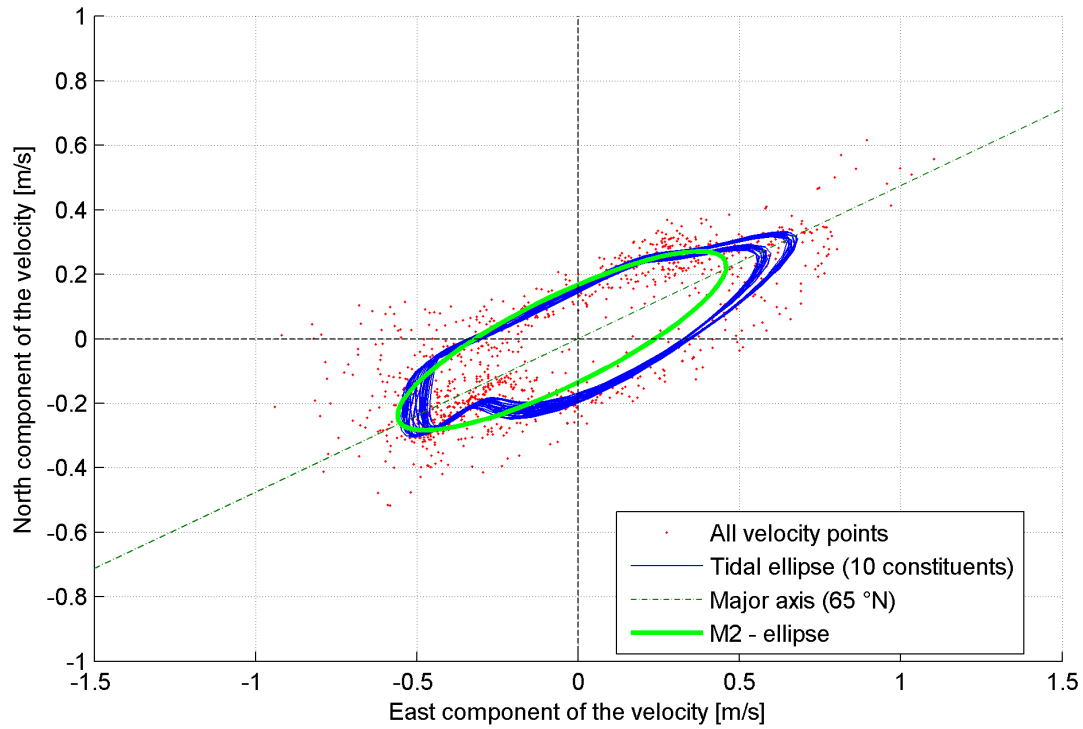


Figure 203 - Tripod deployment MOW1 (ADP): November - December 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

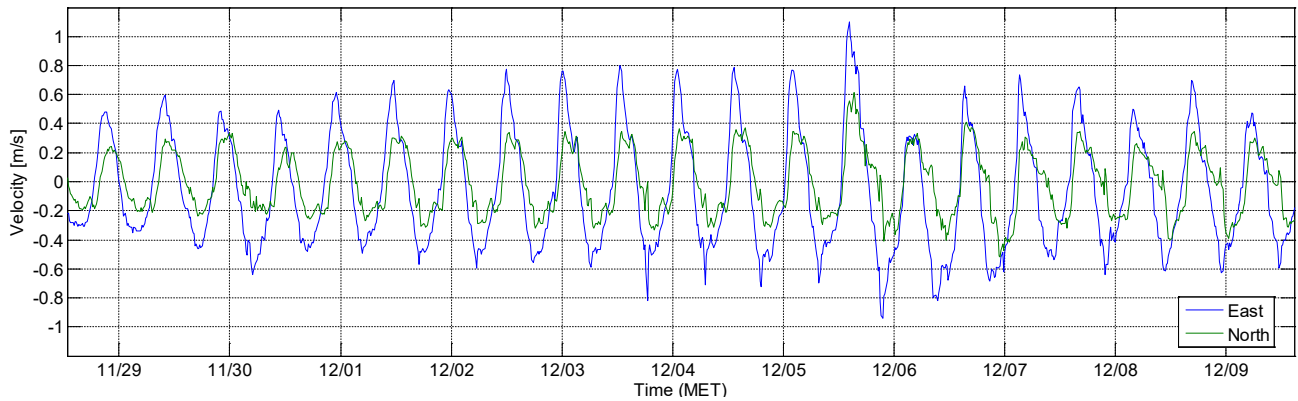


Figure 204 - Tripod deployment MOW1 (ADP): November - December 2013 - Flow decomposed along the estimated major axis (65°N) [m/s] at ~1.10mab (profile-averaged)

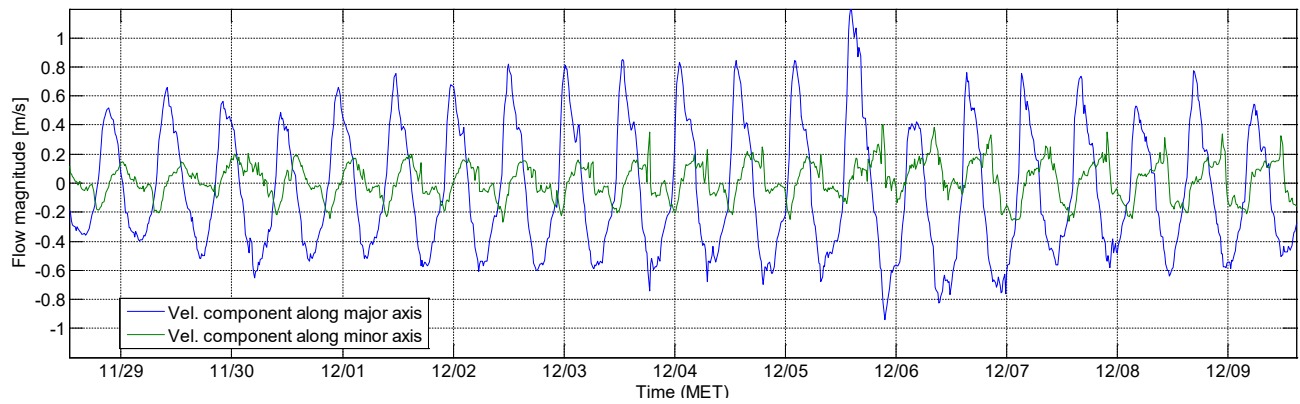
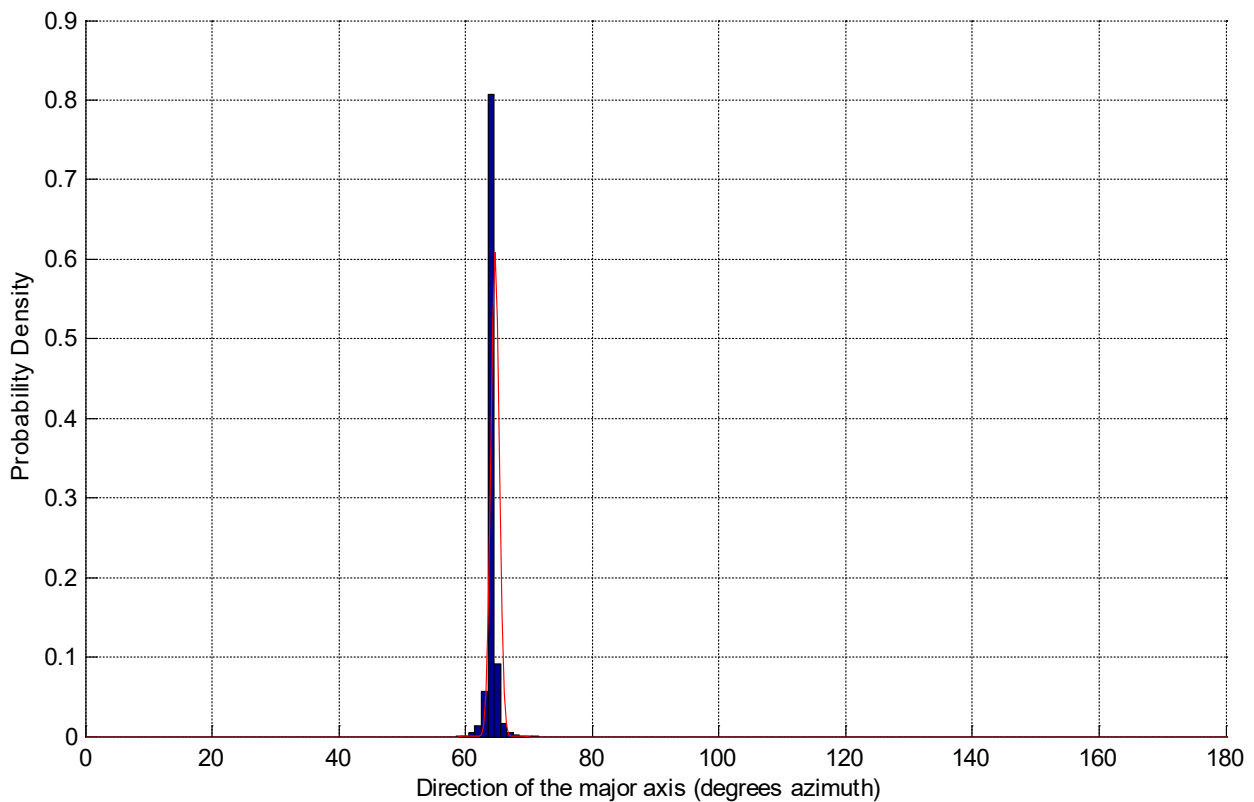


Figure 205 - Tripod deployment MOW1 (ADP): November - December 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.6°, dev=0.66°



D.3 OD Nature Tripod deployment WZbuoy – ADP

D.3.1 Tripod deployment WZbuoy (ADP): March - April 2013

Figure 206 - Tripod deployment WZbuoy (ADP): March - April 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

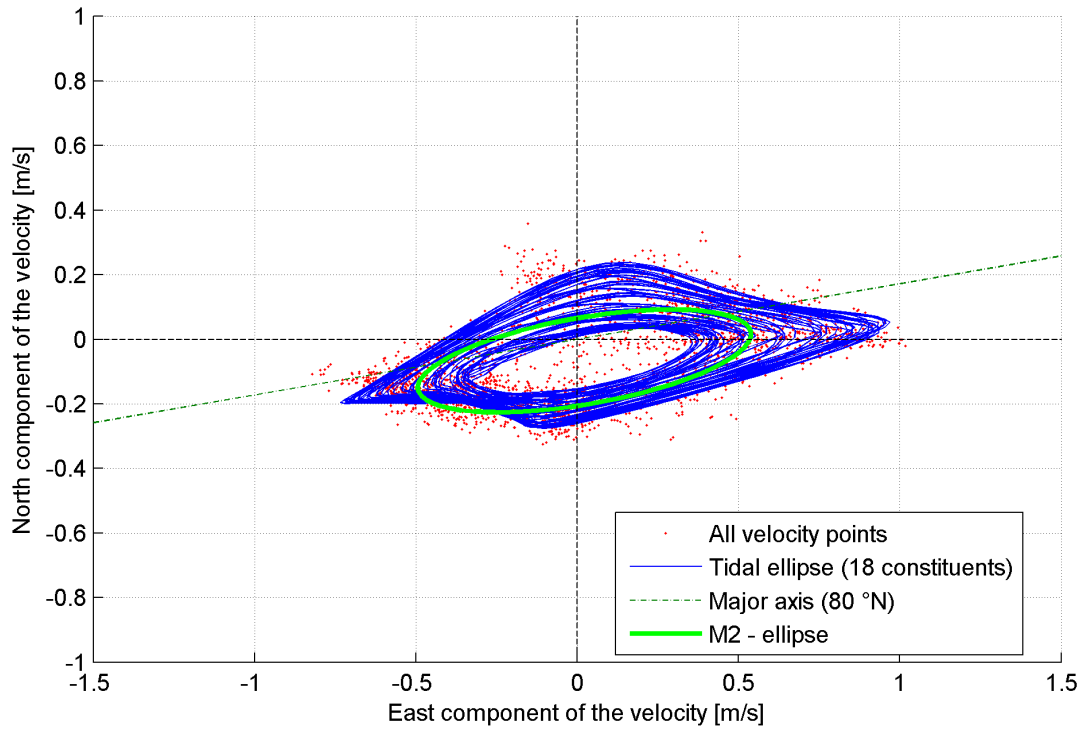


Figure 207 - Tripod deployment WZbuoy (ADP): March - April 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

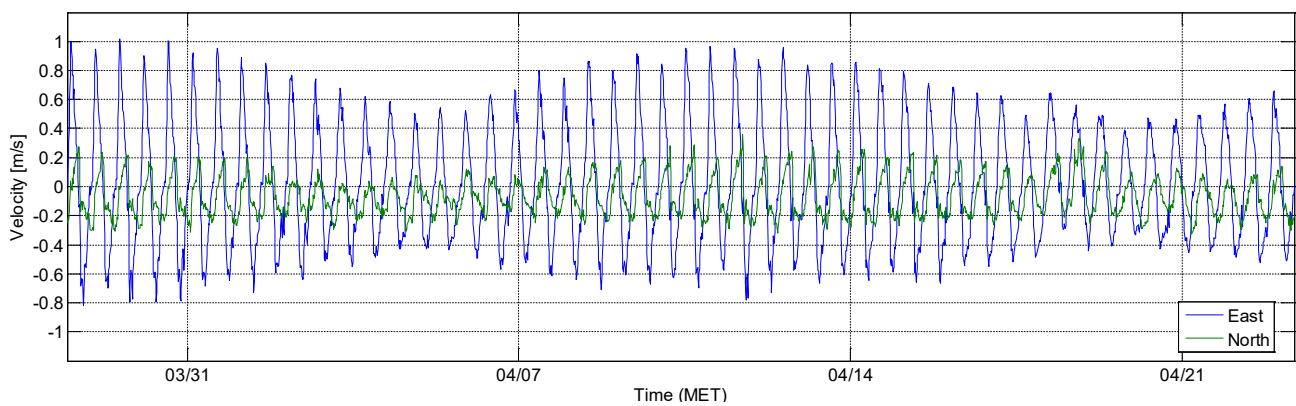


Figure 208 - Tripod deployment WZbuoy (ADP): March - April 2013 - Flow decomposed along the estimated major axis (80°N) [m/s] at ~1.10mab (profile-averaged)

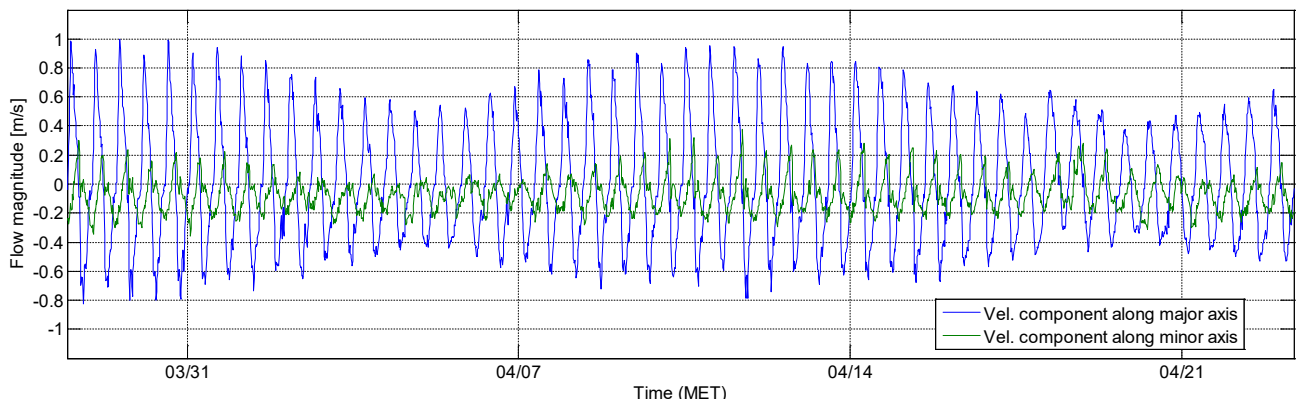


Figure 209 - Tripod deployment WZbuoy (ADP): March - April 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=80.0°, dev=1.61°

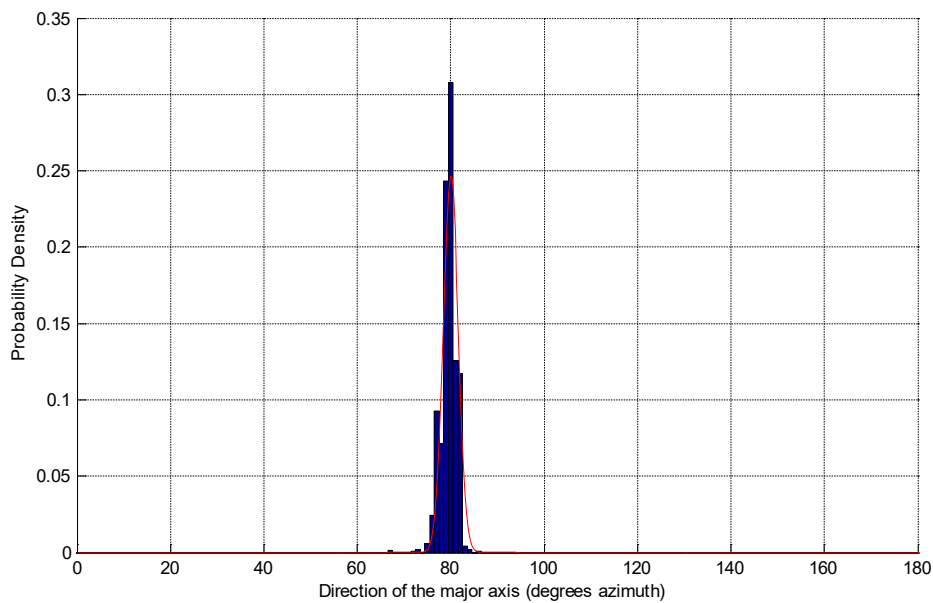
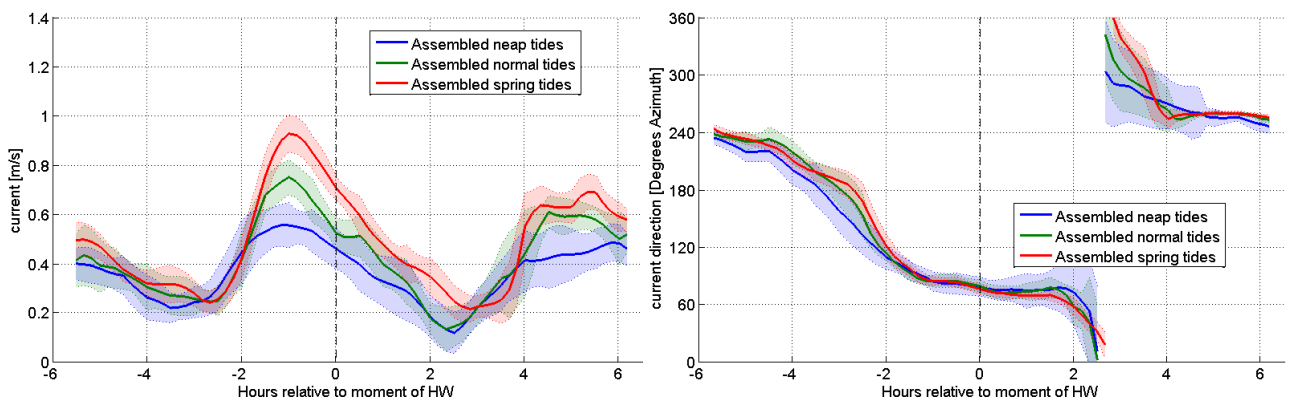


Figure 210 - Tripod deployment WZbuoy (ADP): 28/03/2013 - 23/04/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.3.2 Tripod deployment WZbuoy (ADP): April - May 2013

Figure 211 - Tripod deployment WZbuoy (ADP): April - May 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

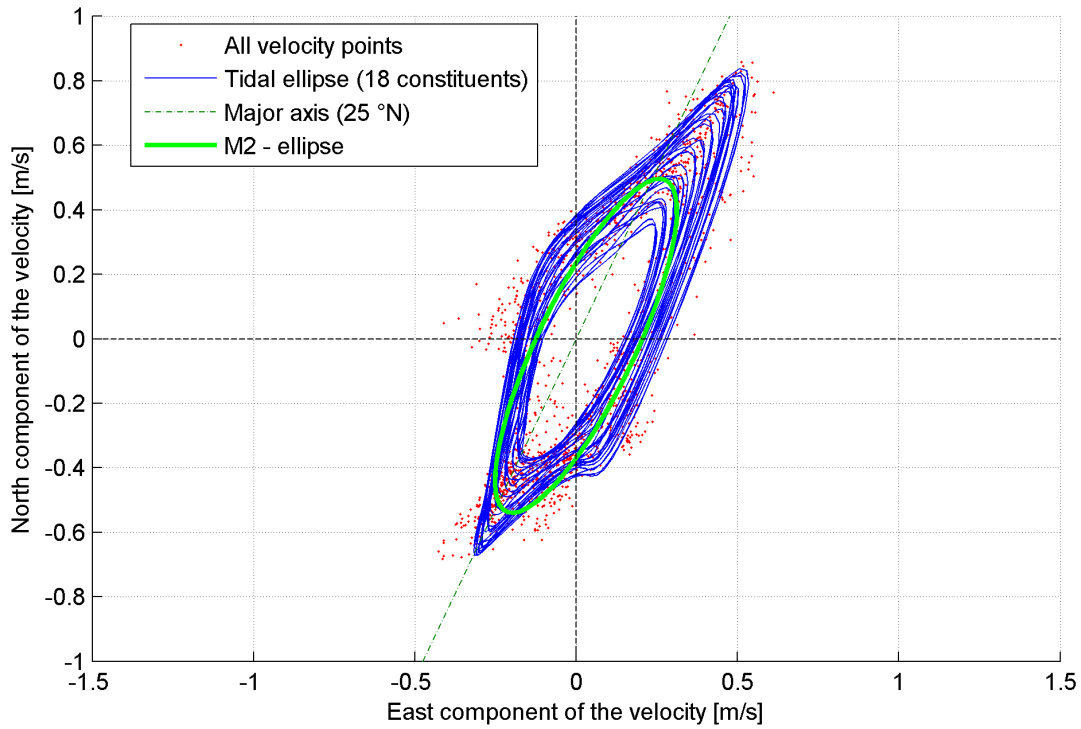


Figure 212 - Tripod deployment WZbuoy (ADP): April - May 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

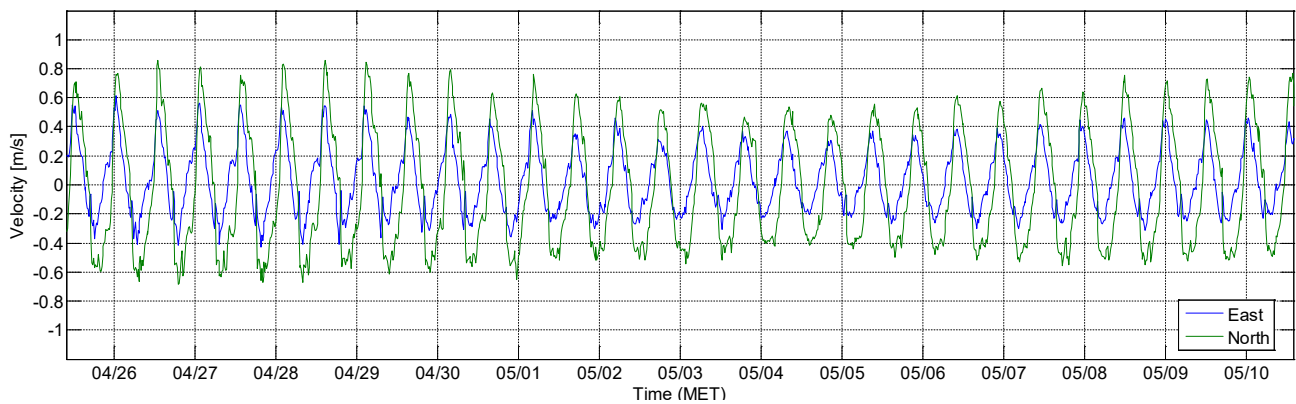


Figure 213 - Tripod deployment WZbuoy (ADP): April - May 2013 - Flow decomposed along the estimated major axis (25°N) [m/s] at ~1.10mab (profile-averaged)

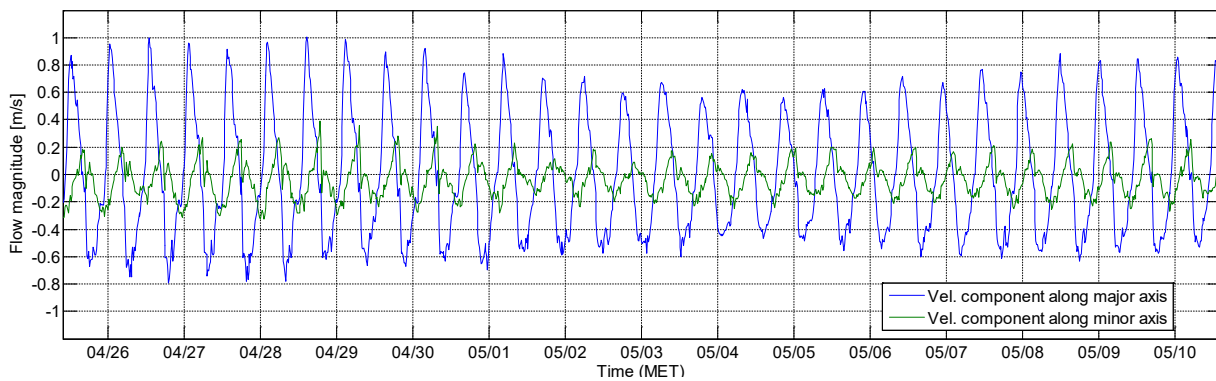


Figure 214 - Tripod deployment WZbuoy (ADP): April - May 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=25.4°, dev=0.58°

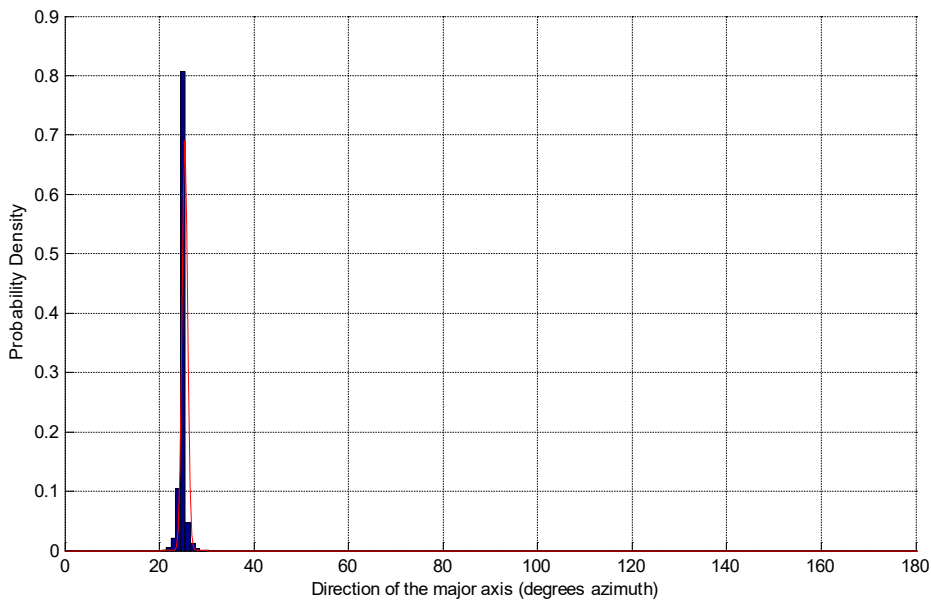
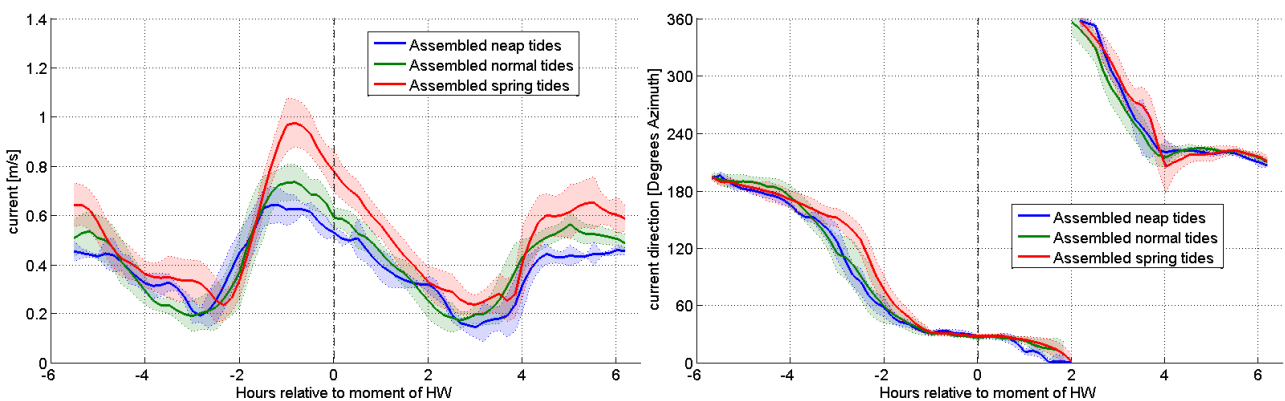


Figure 215 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab, WZbuoy, 25/04/2013 - 14/05/2013



D.3.3 Tripod deployment WZbuoy (ADP): June - July 2013

Figure 216 - Tripod deployment WZbuoy (ADP): June - July 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

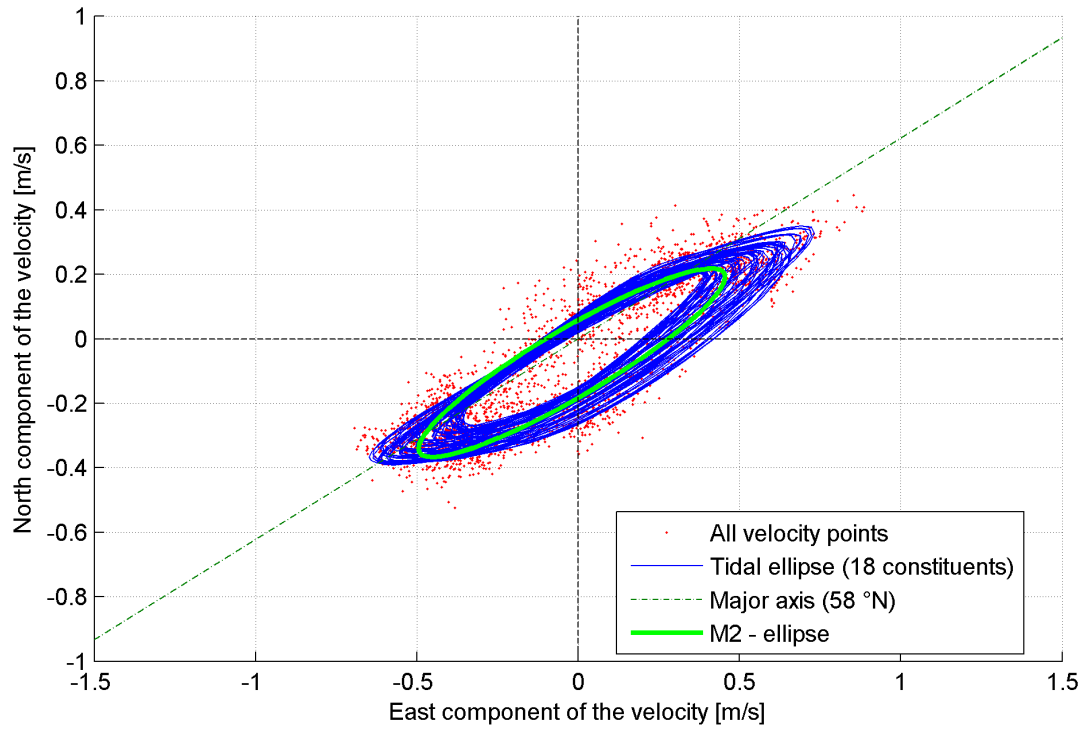


Figure 217 - Tripod deployment WZbuoy (ADP): June - July 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

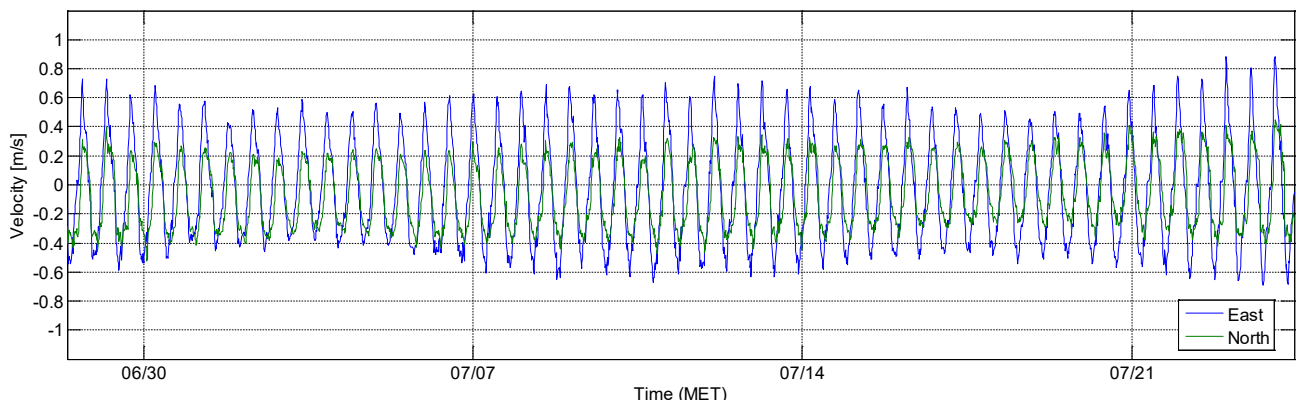


Figure 218 - Tripod deployment WZbuoy (ADP): June - July 2013 - Flow decomposed along the estimated major axis (58°N) [m/s] at ~1.10mab (profile-averaged)

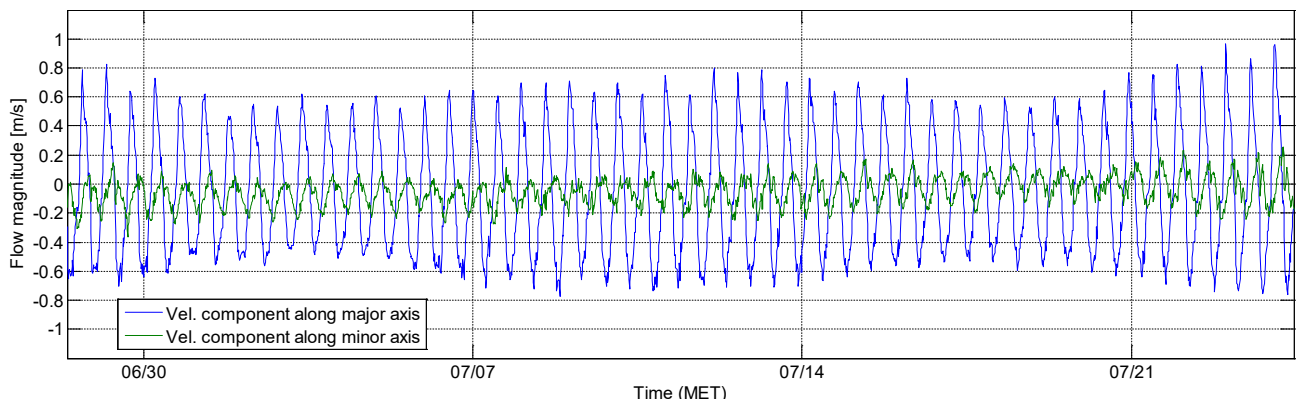


Figure 219 - Tripod deployment WZbuoy (ADP): June - July 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=58.4°, dev=1.04°

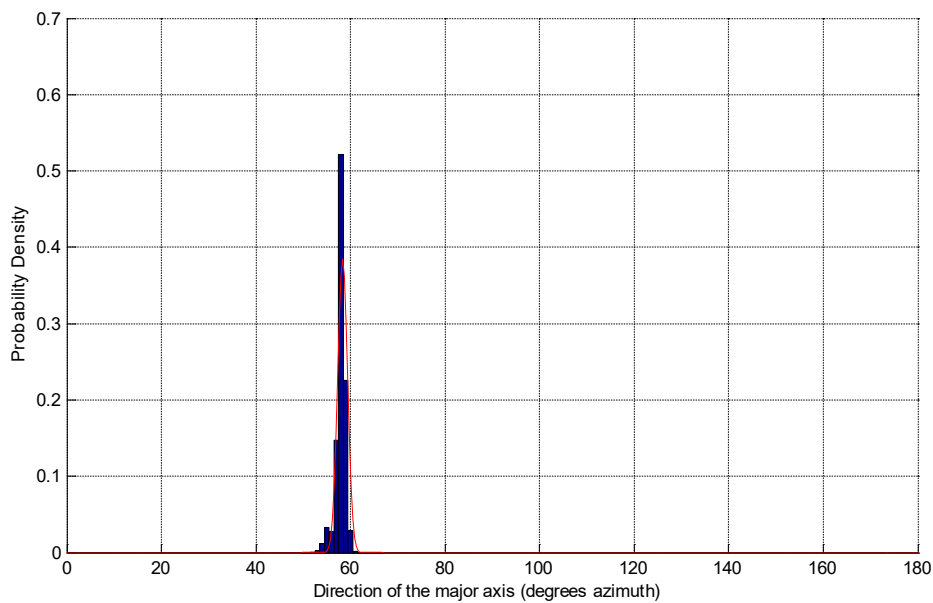
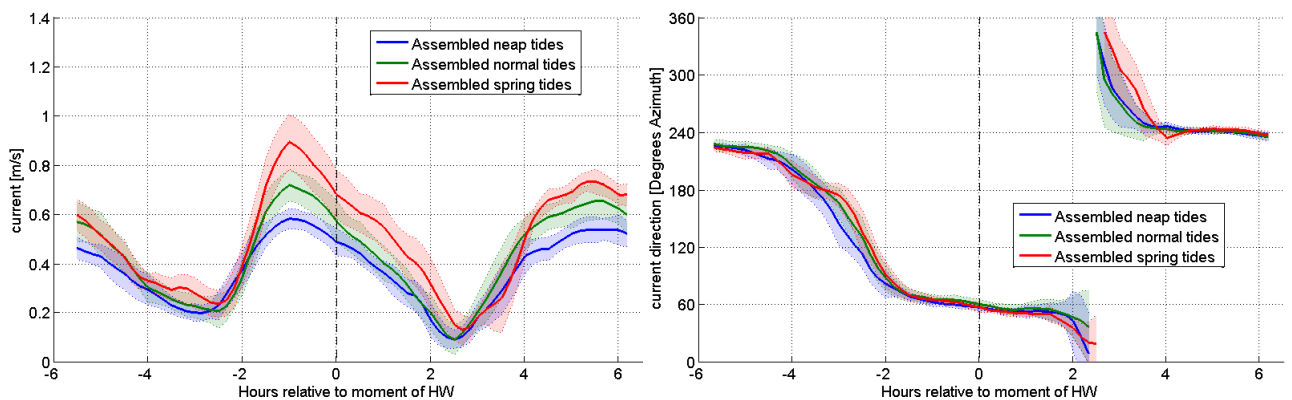


Figure 220 - Tripod deployment WZbuoy (ADP): 28/06/2013 - 24/07/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.3.4 Tripod deployment WZbuoy (ADP): July - August 2013

Figure 221 - Tripod deployment WZbuoy (ADP): July - August 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (18 constituents)

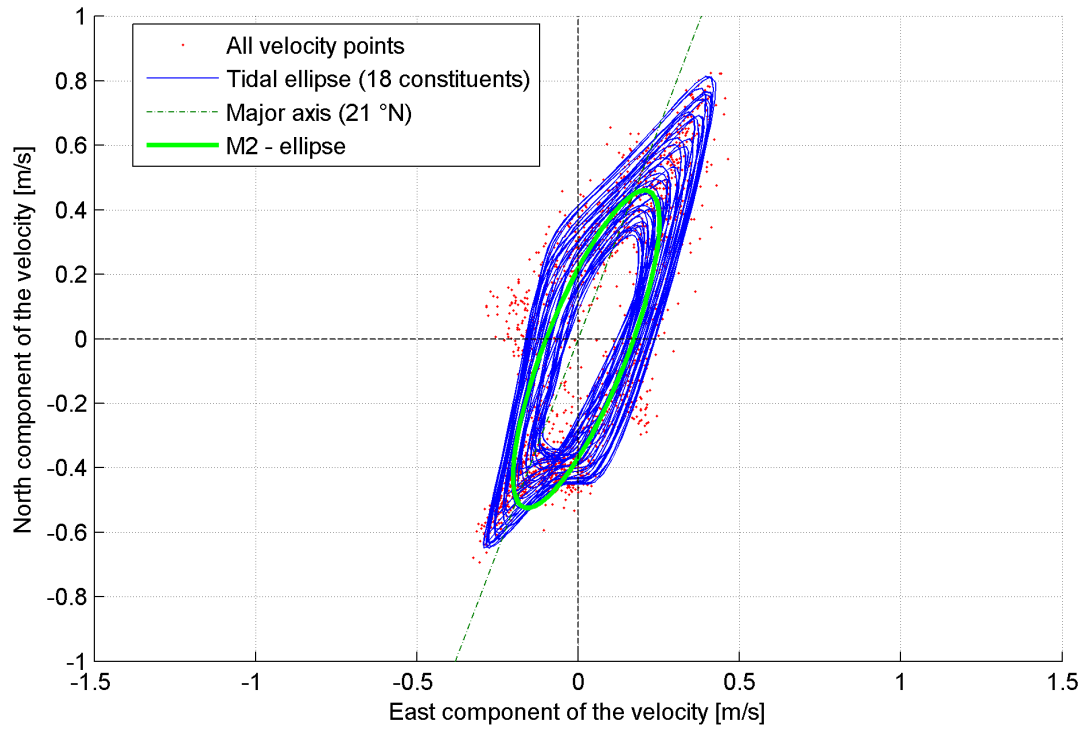


Figure 222 - Tripod deployment WZbuoy (ADP): July - August 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

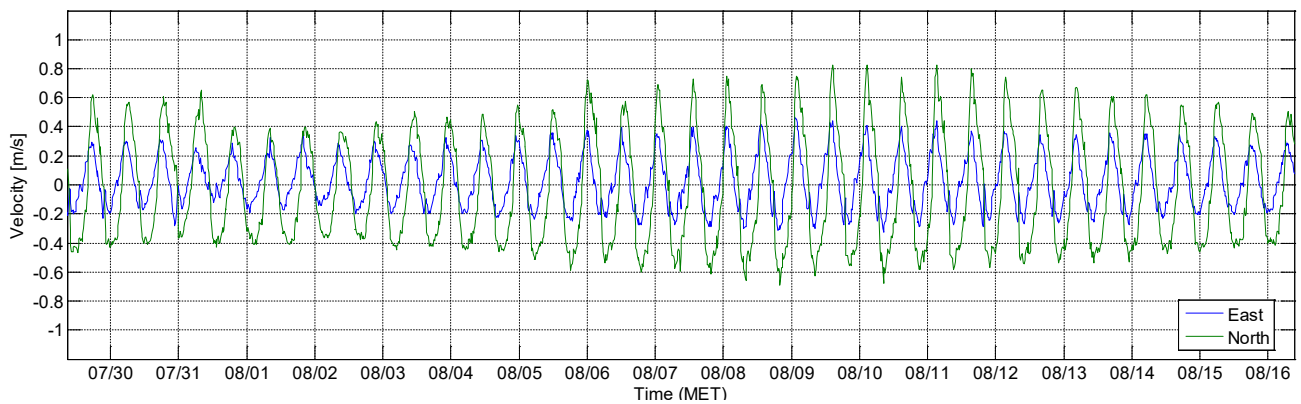


Figure 223 - Tripod deployment WZbuoy (ADP): July - August 2013 - Flow decomposed along the estimated major axis (21°N) [m/s] at ~1.10mab (profile-averaged)

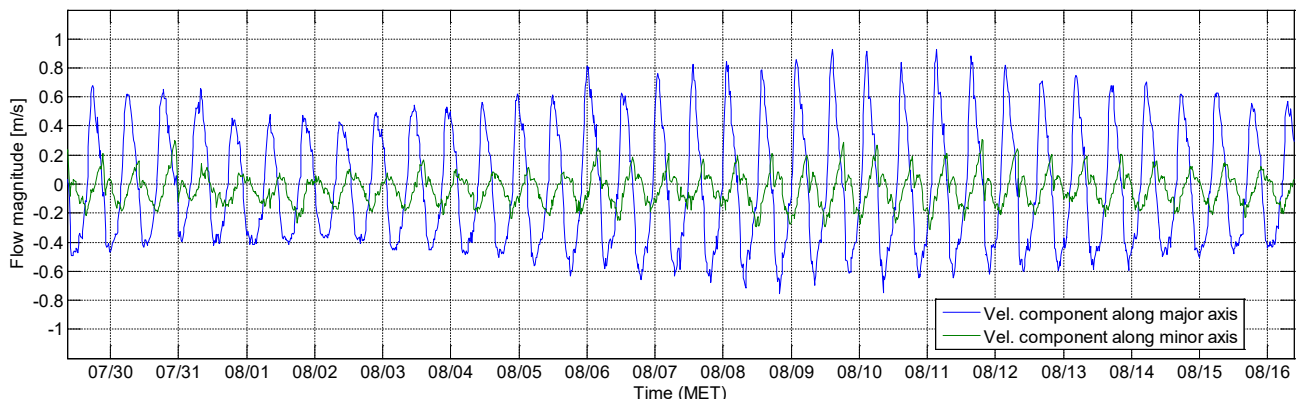


Figure 224 - Tripod deployment WZbuoy (ADP): July - August 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=21.1°, dev=0.89°

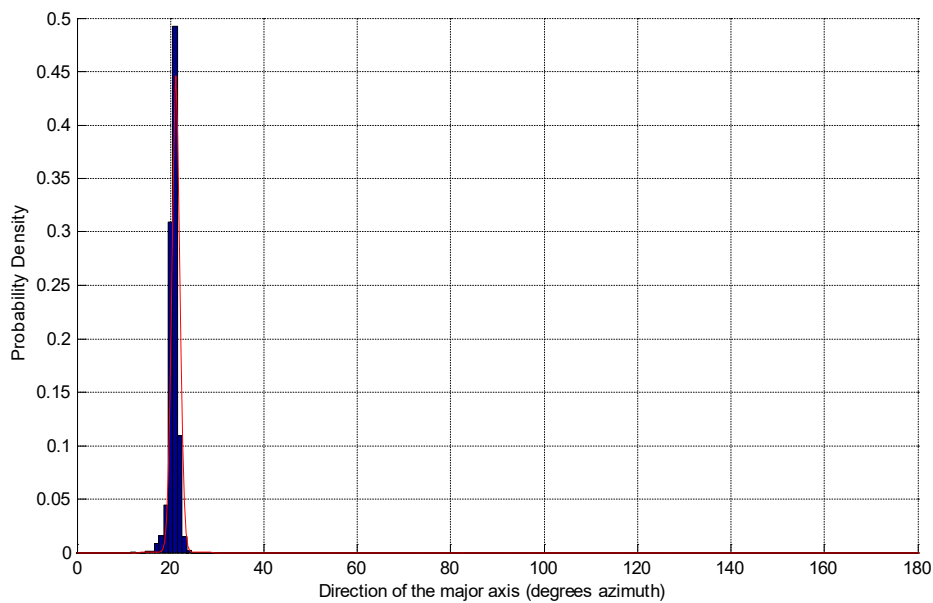
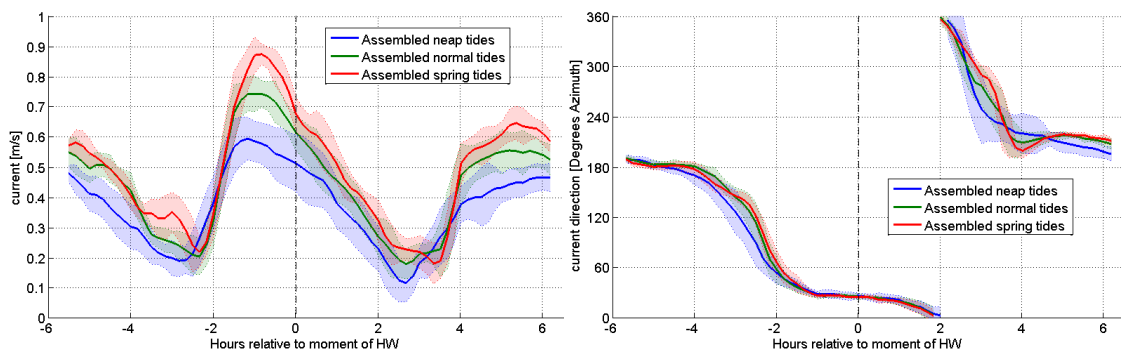


Figure 225 - Tripod deployment WZbuoy (ADP): 29/07/2013 - 21/08/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.3.5 Tripod deployment WZbuoy (ADP): September - October 2013

Figure 226 - Tripod deployment WZbuoy (ADP): September - October 2013 - UV-diagram with tidal ellipse [m/s] at ~1.50mab (profile-averaged) derived through tidal analyses (30 constituents)

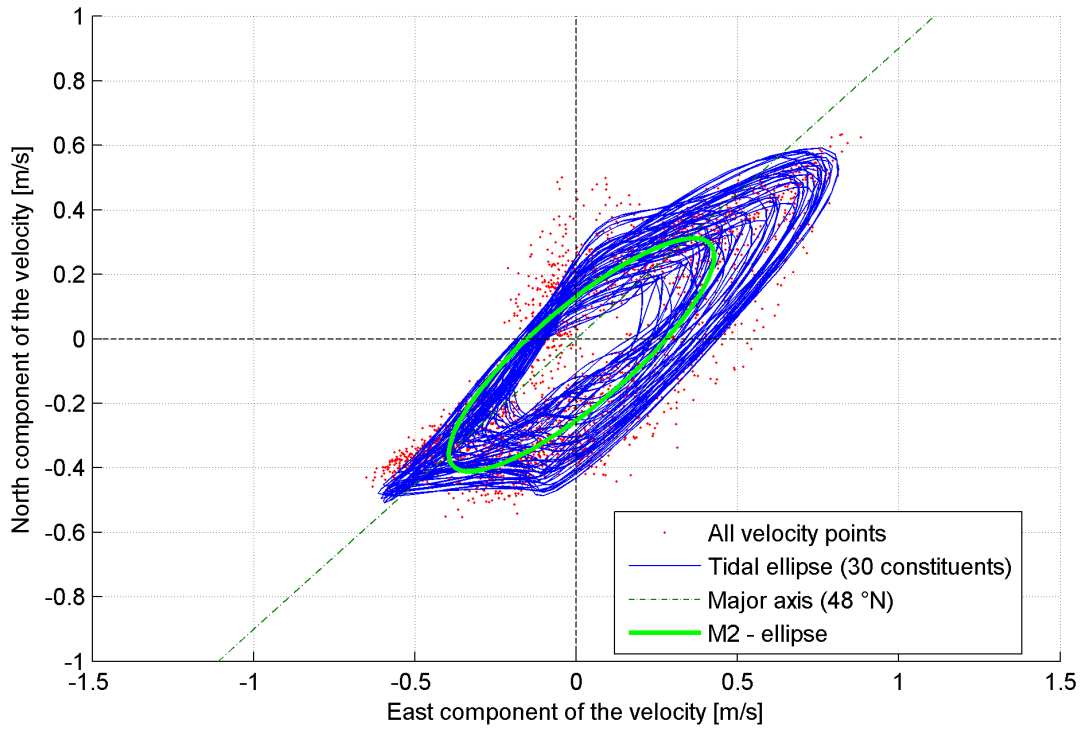


Figure 227 - Tripod deployment WZbuoy (ADP): September - October 2013 - East and North velocity components [m/s] at ~1.50mab (profile-averaged)

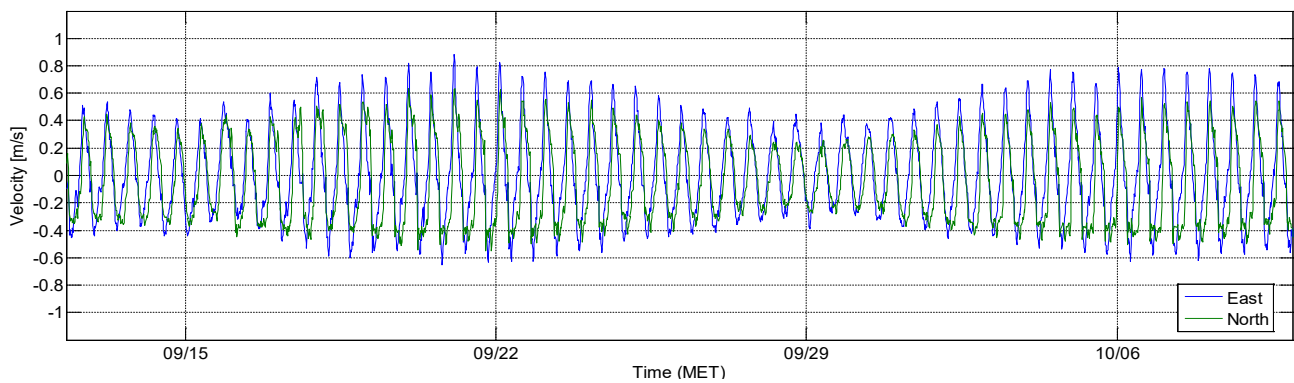


Figure 228 - Tripod deployment WZbuoy (ADP): September - October 2013 - Flow decomposed along the estimated major axis (52°N) [m/s] at ~1.50mab (profile-averaged)

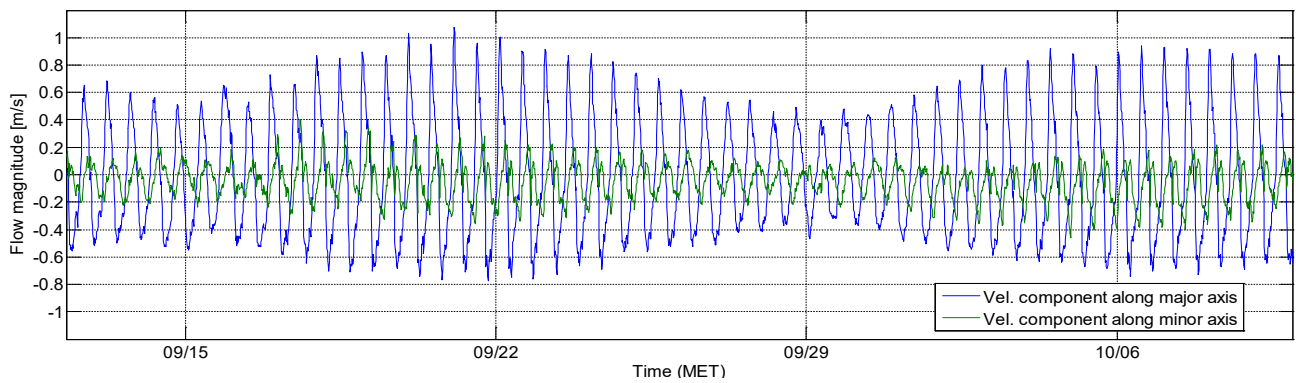


Figure 229 - Tripod deployment WZbuoy (ADP): September - October 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=48.3°, dev=1.61°

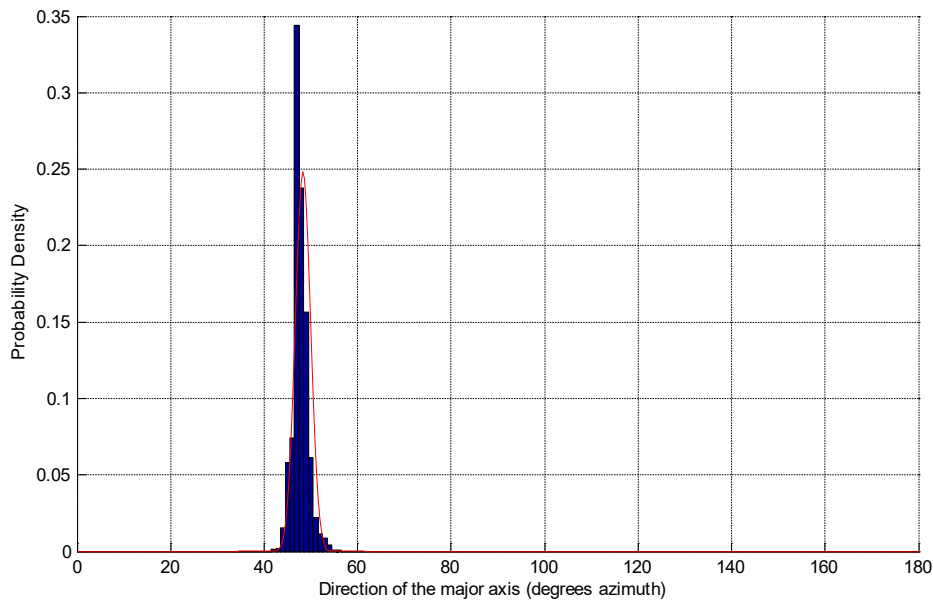
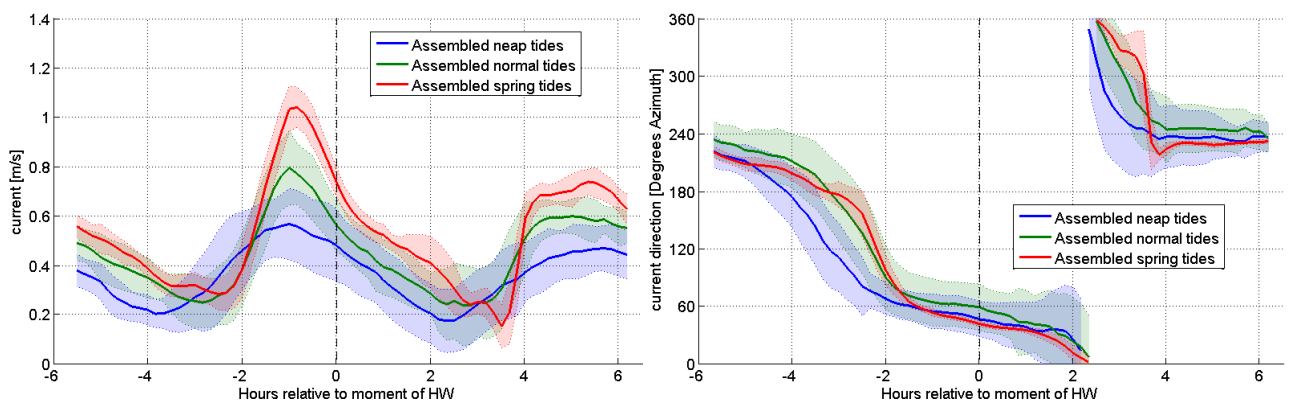


Figure 230 - Tripod deployment WZbuoy (ADP): 12/09/2013 - 14/10/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 1.9mab



D.3.6 Tripod deployment WZbuoy (ADP): October - November 2013

Figure 231 - Tripod deployment WZbuoy (ADP): October - November 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (30 constituents)

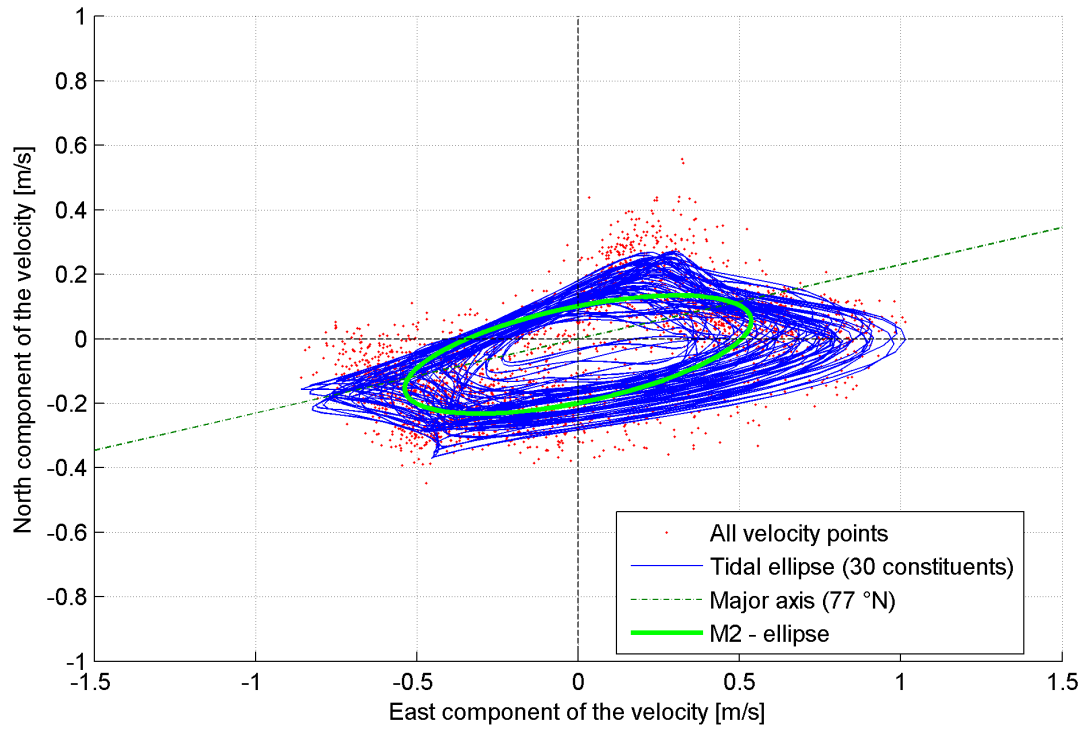


Figure 232 - Tripod deployment WZbuoy (ADP): October - November 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

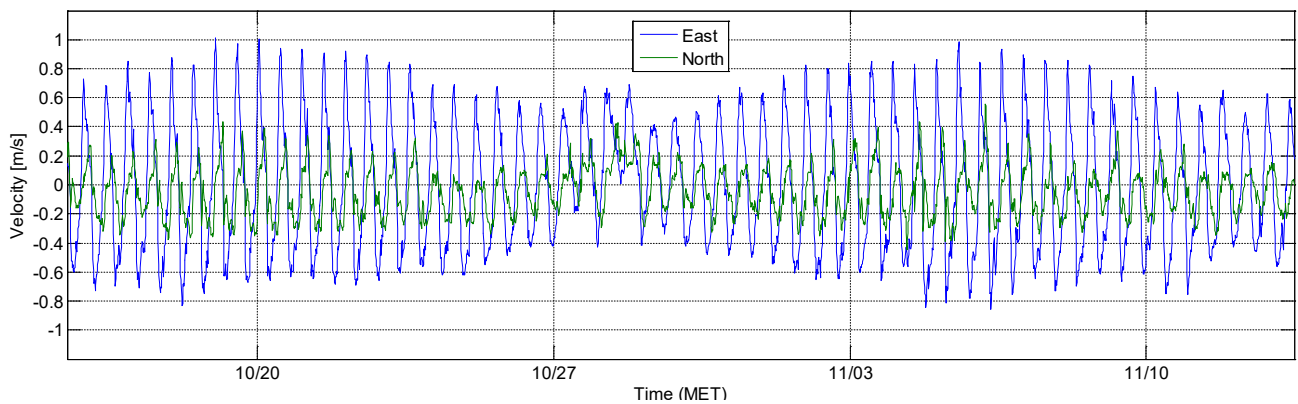


Figure 233 - Tripod deployment WZbuoy (ADP): October - November 2013 - Flow decomposed along the estimated major axis (77°N) [m/s] at ~1.10mab (profile-averaged)

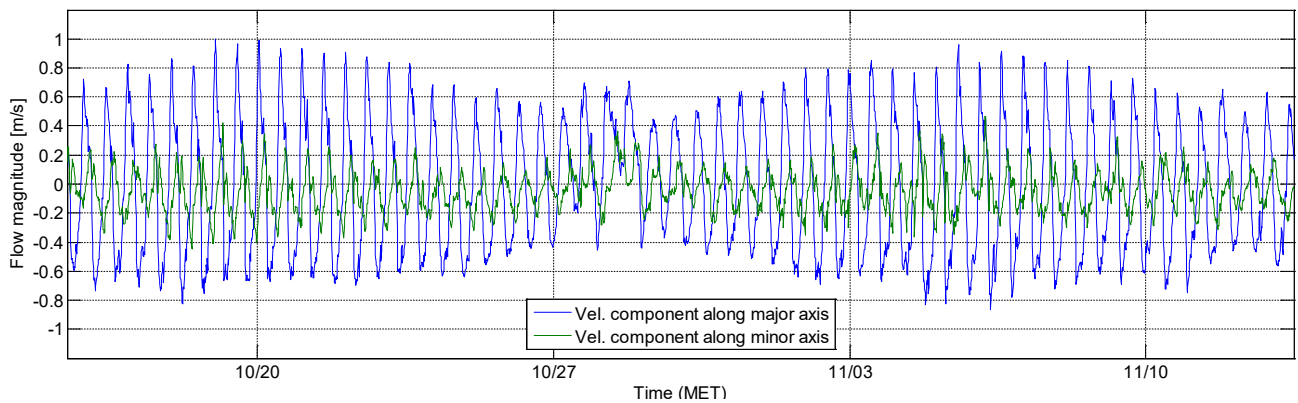


Figure 234 - Tripod deployment WZbuoy (ADP): October - November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=76.5°, dev=1.16°

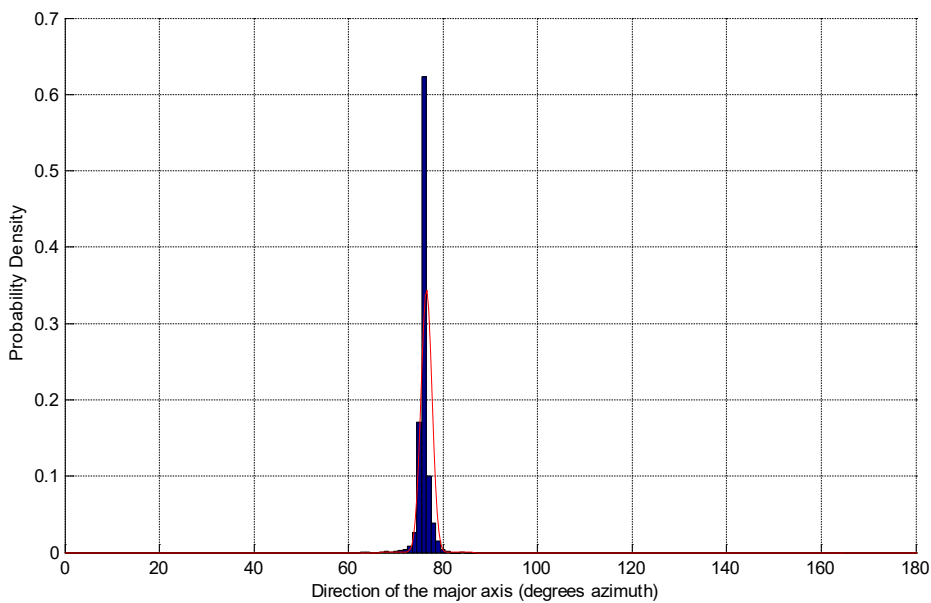
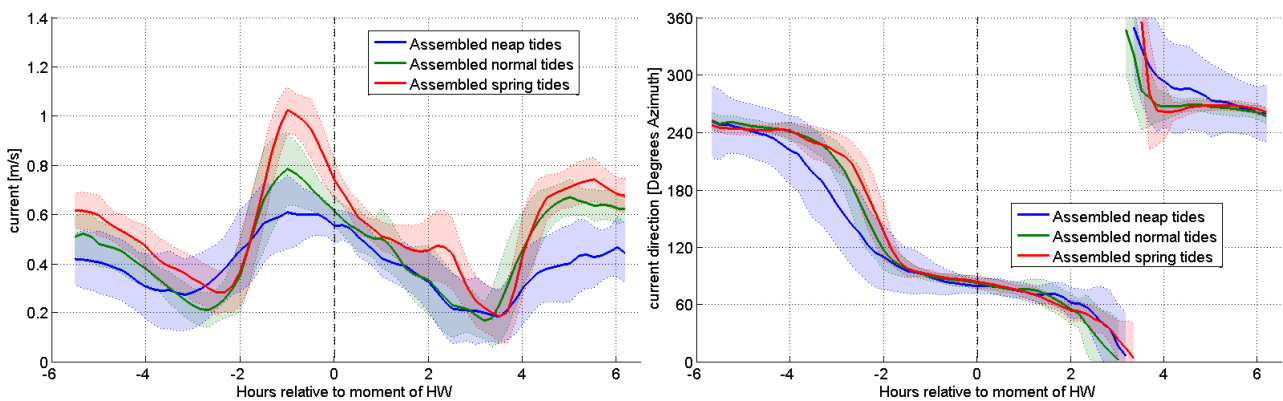


Figure 235 - Tripod deployment WZbuoy (ADP): 15/10/2013 - 13/11/2013 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab



D.3.7 Tripod deployment WZbuoy (ADP): November 2013

Figure 236 - Tripod deployment WZbuoy (ADP): November 2013 - UV-diagram with tidal ellipse [m/s] at ~1.10mab (profile-averaged) derived through tidal analyses (10 constituents)

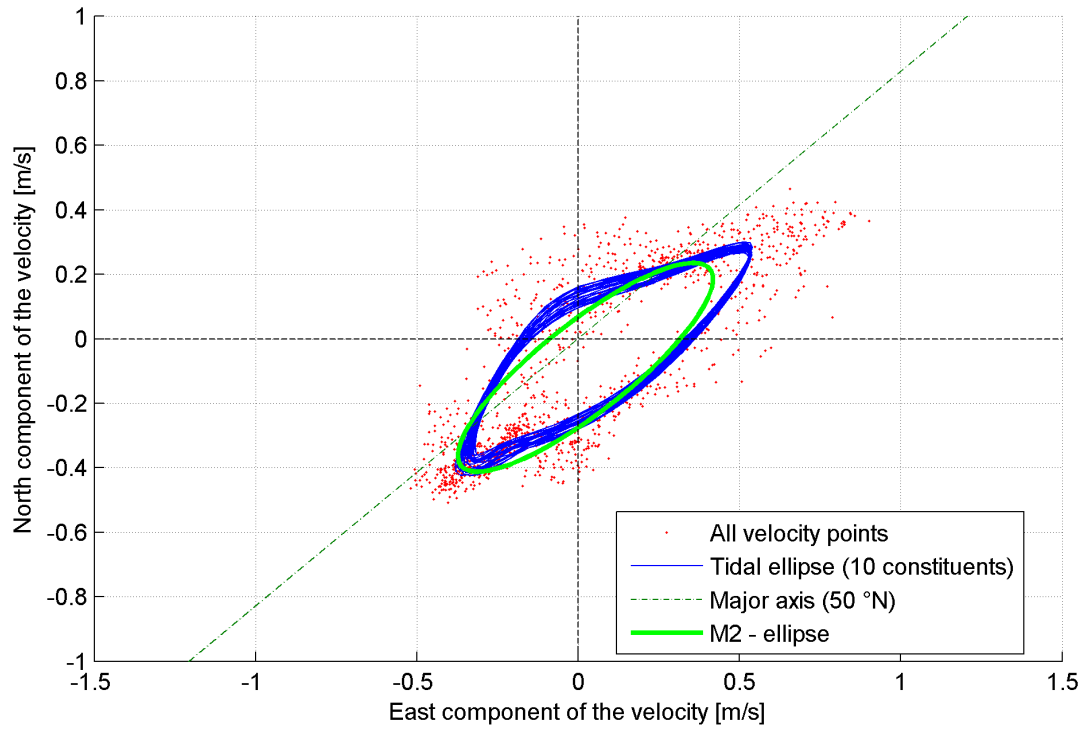


Figure 237 - Tripod deployment WZbuoy (ADP): November 2013 - East and North velocity components [m/s] at ~1.10mab (profile-averaged)

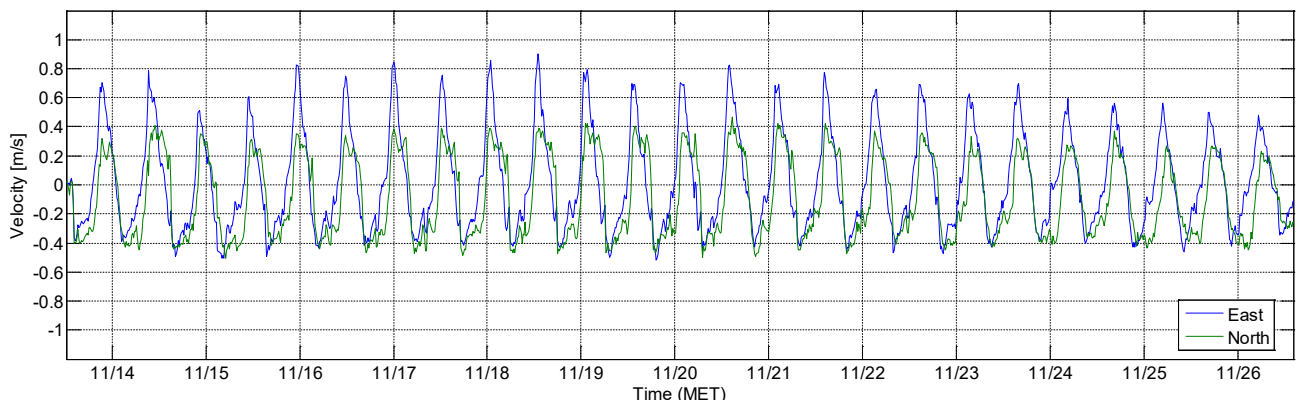


Figure 238 - Tripod deployment WZbuoy (ADP): November 2013 - Flow decomposed along the estimated major axis (50°N) [m/s] at ~1.10mab (profile-averaged)

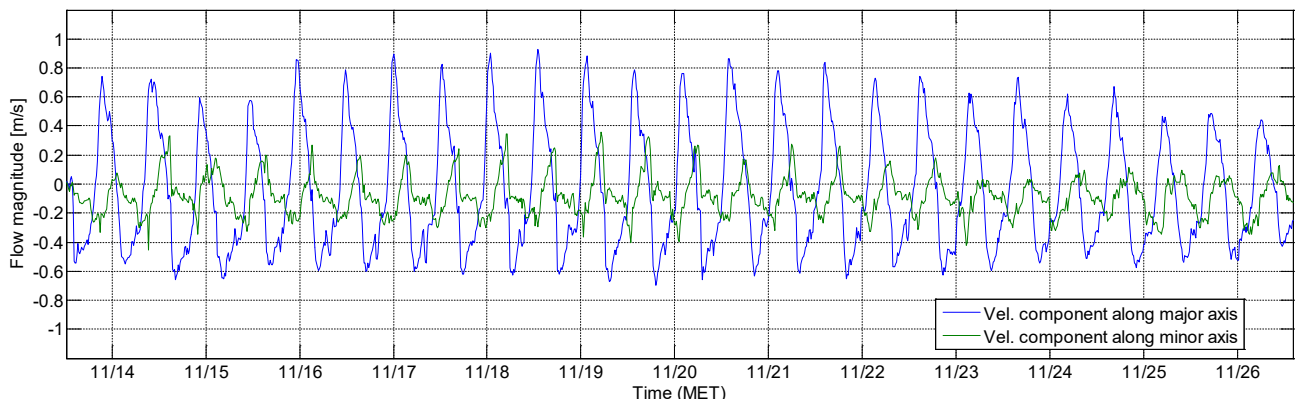


Figure 239 - Tripod deployment WZbuoy (ADP): November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=50.7°, dev=1.13°

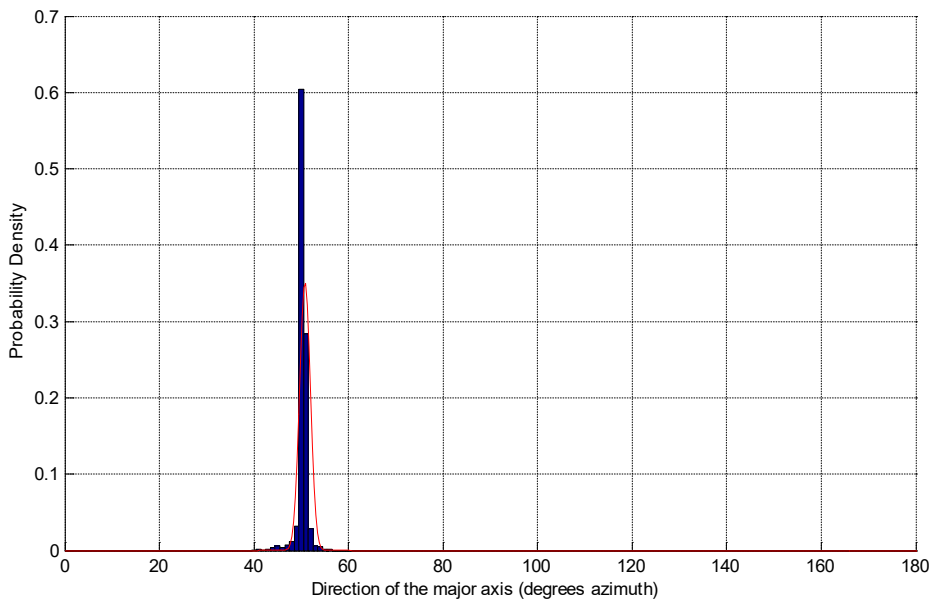
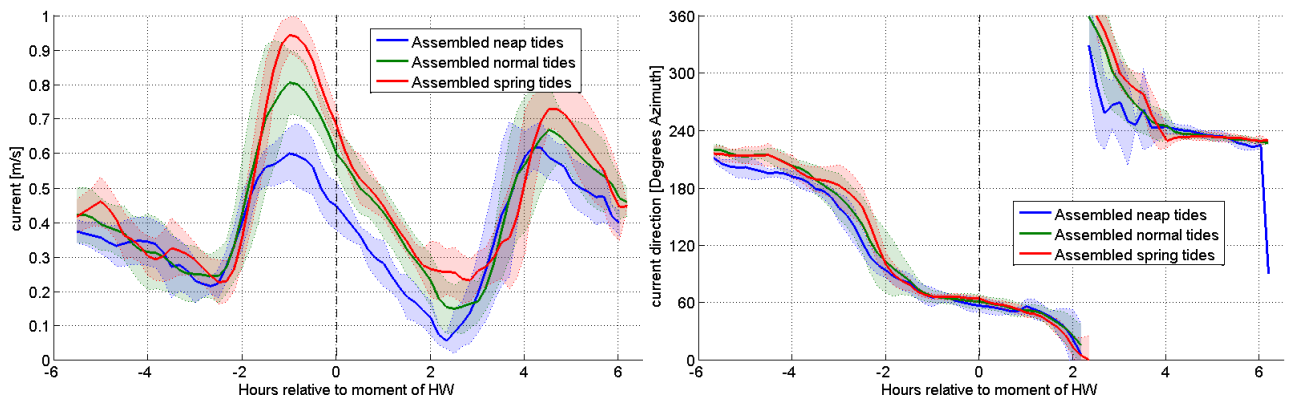


Figure 240 - Mean and standard deviation of the assembled ADP current magnitude (left) and direction (right) at 1.9mab, WZbuoy, 13/11/2013 - 26/11/2013



D.4 OD Nature Tripod deployment MOW0 – ADP

D.4.1 Tripod deployment MOW0 (ADP): June - July 2008

Figure 241 - Tripod deployment MOW0 (ADP): June - July 2008 - UV-diagram with tidal ellipse [m/s] at ~1.20mab (profile-averaged) derived through tidal analyses (10 constituents)

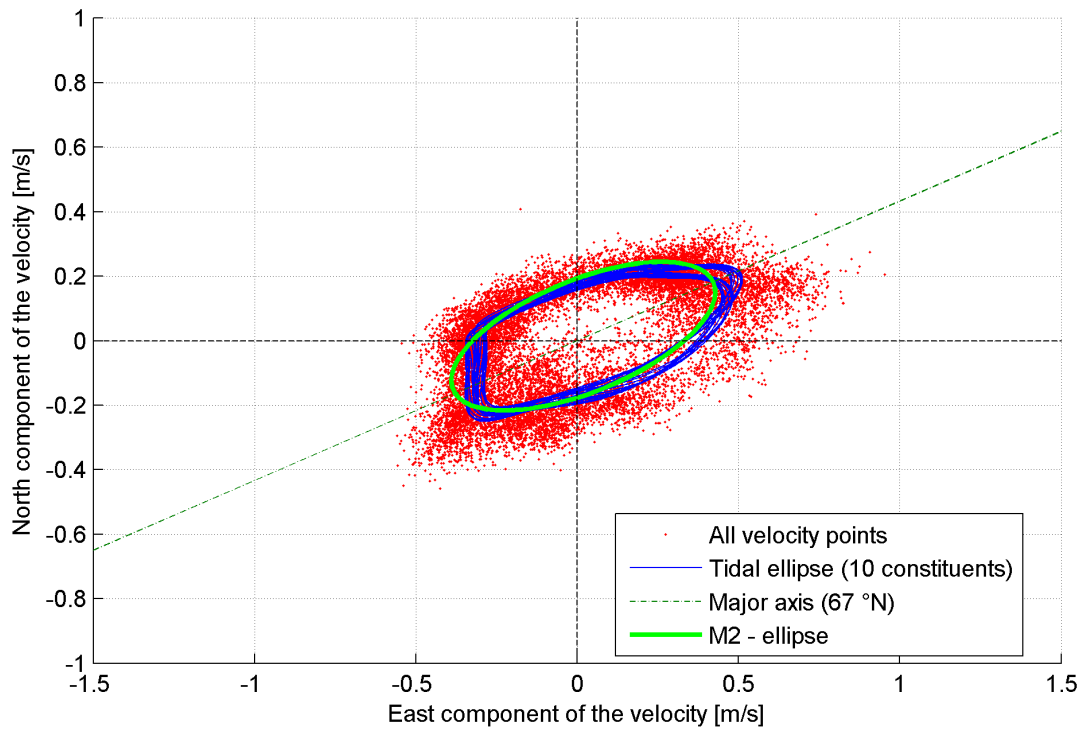


Figure 242 - Tripod deployment MOW0 (ADP): June - July 2008 - East and North velocity components [m/s] at ~1.20mab (profile-averaged)

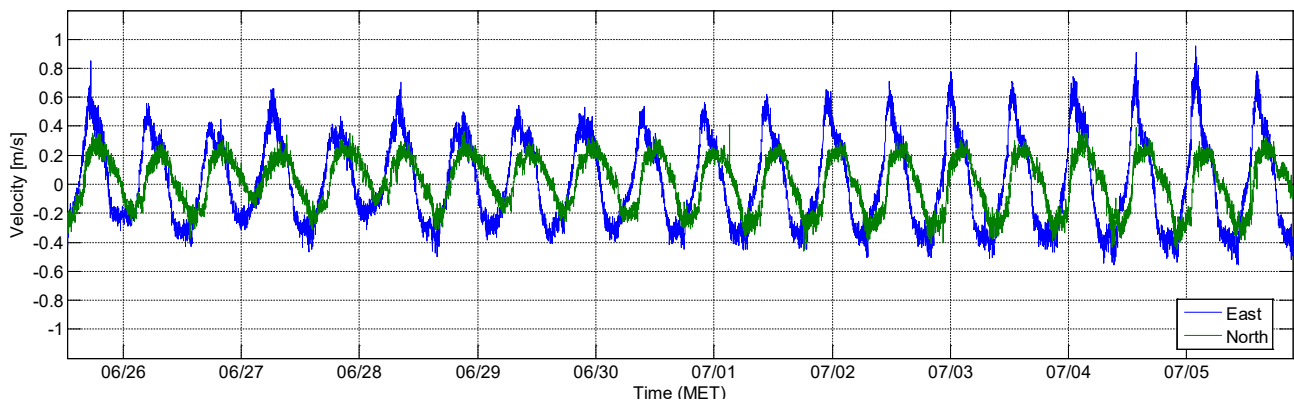


Figure 243 - Tripod deployment MOW0 (ADP): June - July 2008 - Flow decomposed along the estimated major axis (67°N) [m/s] at ~1.20mab (profile-averaged)

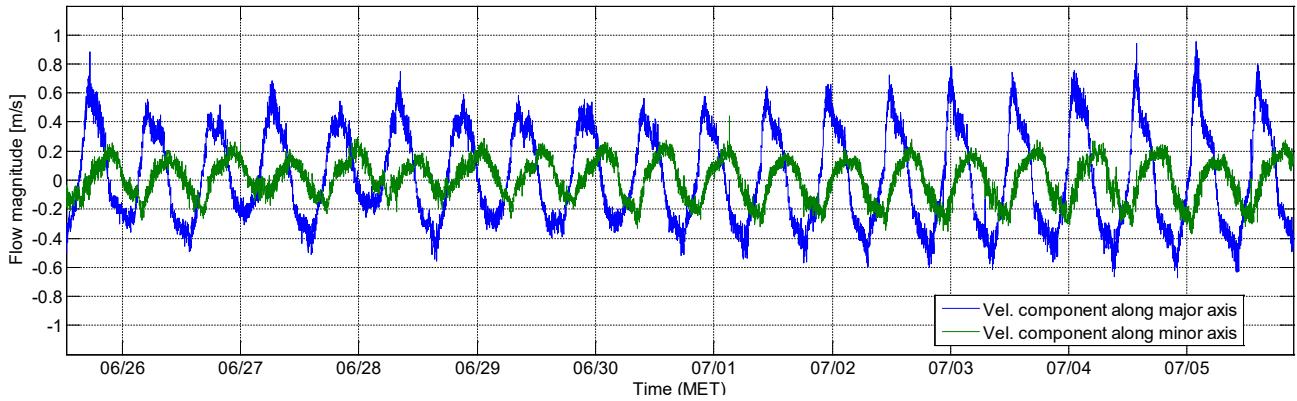
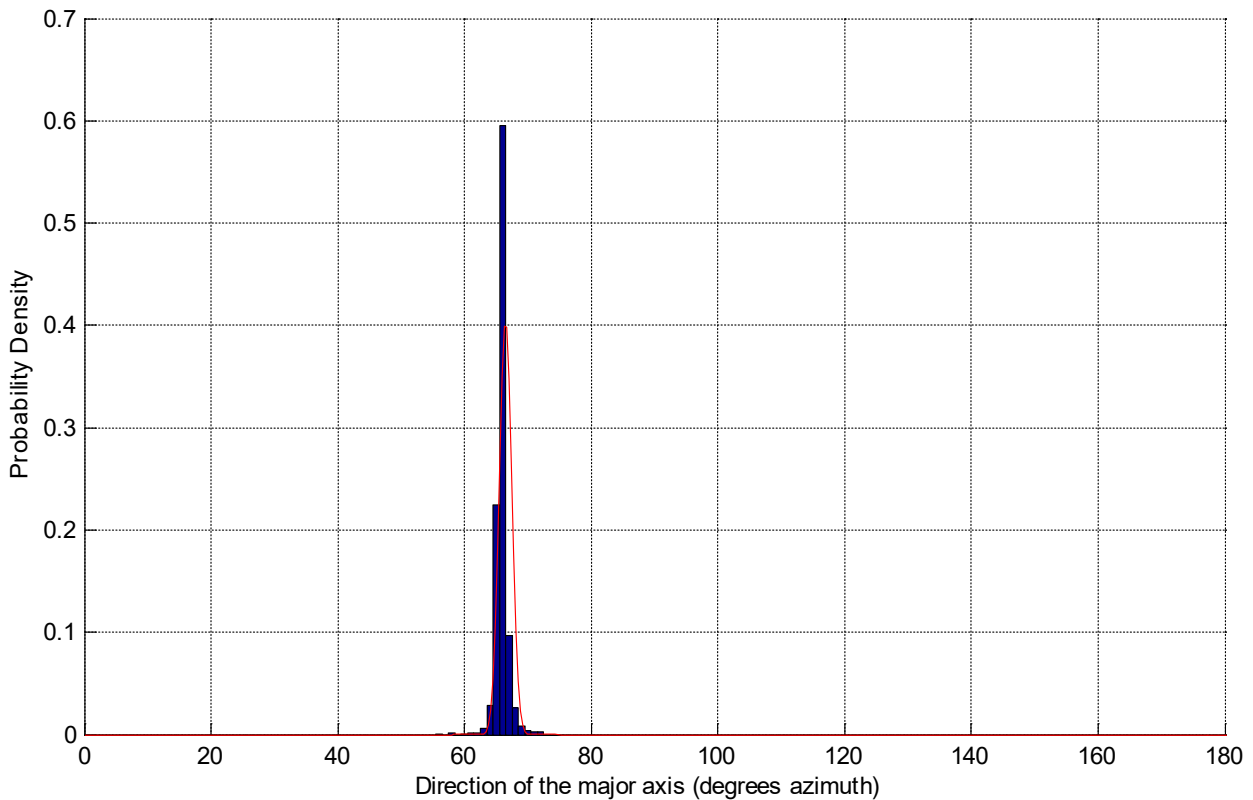


Figure 244 - Tripod deployment MOW0 (ADP): June - July 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=66.4°, dev=0.98°



Appendix E OD Nature Tripod deployments: Figures of ADV velocity measurements

E.1 Tripod deployment Blankenberge – ADV

E.1.1 Tripod deployment Blankenberge (ADV): November - December 2006

Figure 245 - Tripod deployment Blankenberge (ADV): November - December 2006 - UV-diagram with tidal ellipse [m/s] at 0.20mab derived through tidal analyses (36 constituents)

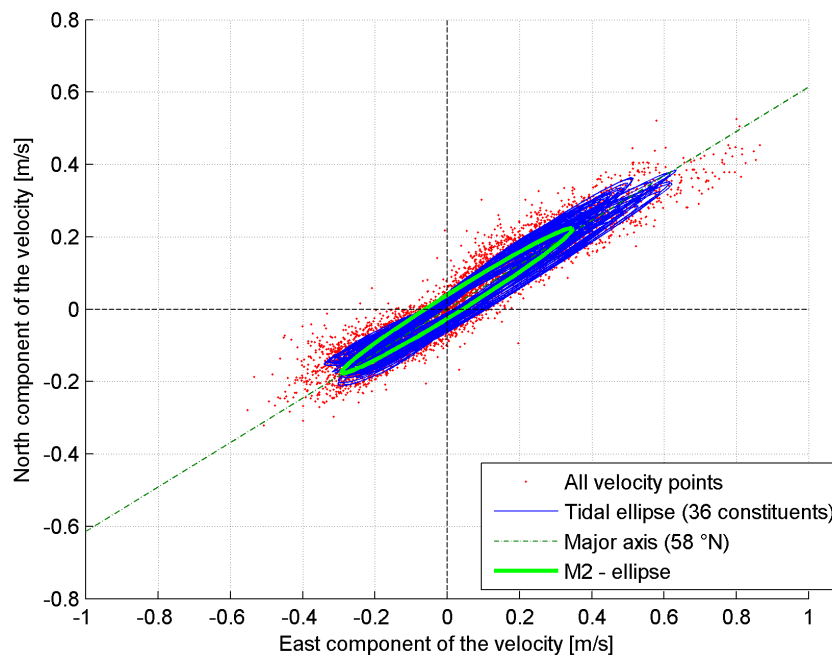


Figure 246 - Tripod deployment Blankenberge (ADV): November - December 2006 - East and North velocity components [m/s] at 0.20mab

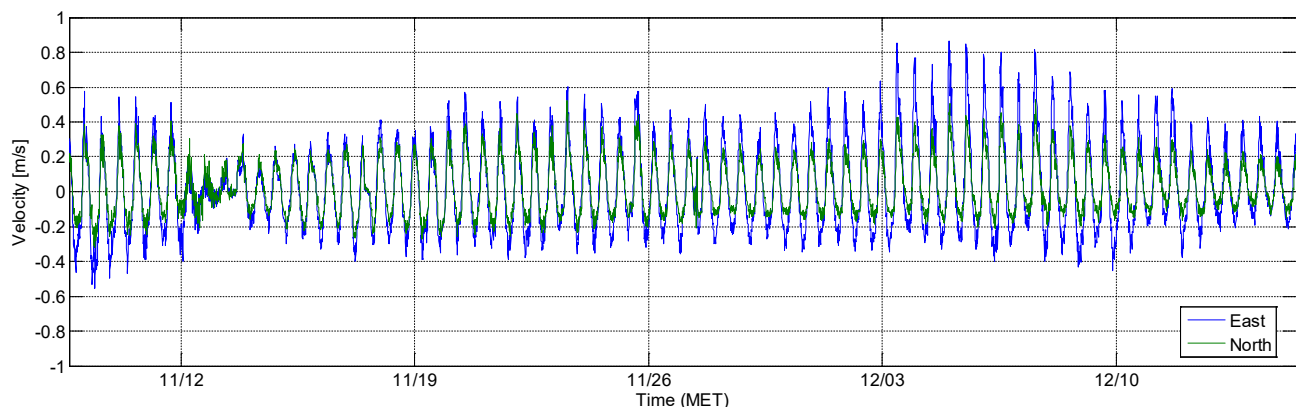


Figure 247 - Tripod deployment Blankenberge (ADV): November - December 2006 - Flow decomposed along the estimated major axis (58°N) [m/s] at 0.20mab

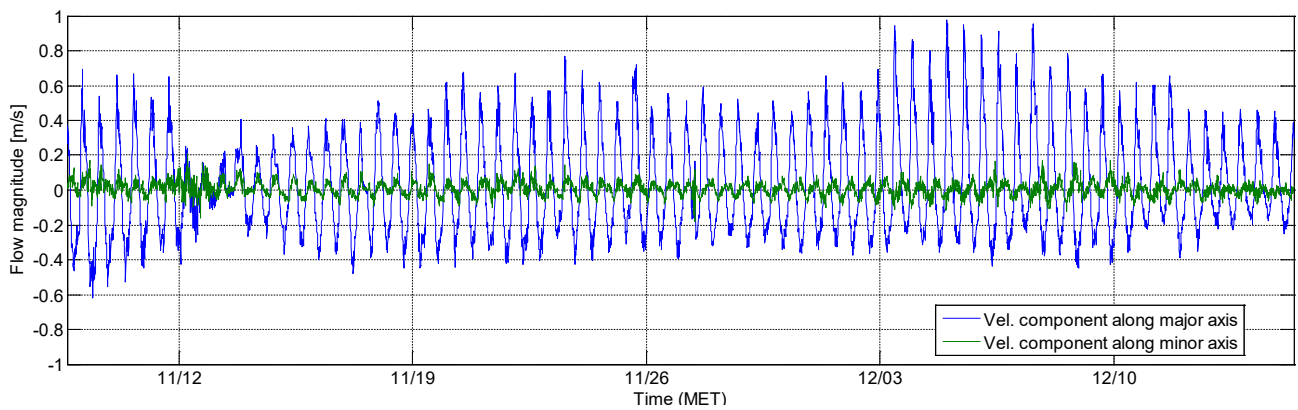


Figure 248 - Tripod deployment Blankenberge (ADV): November - December 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=58.0°, dev=2.83°

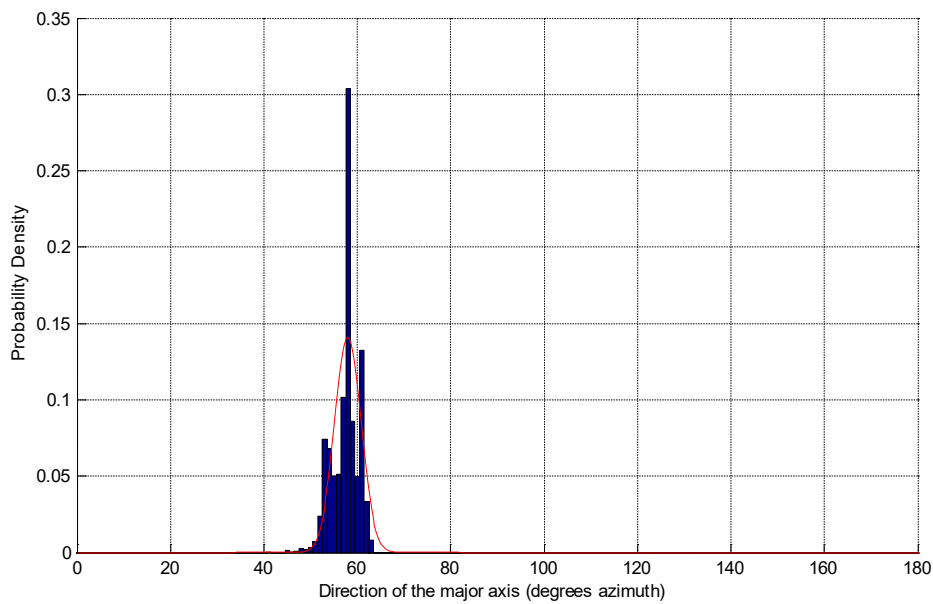
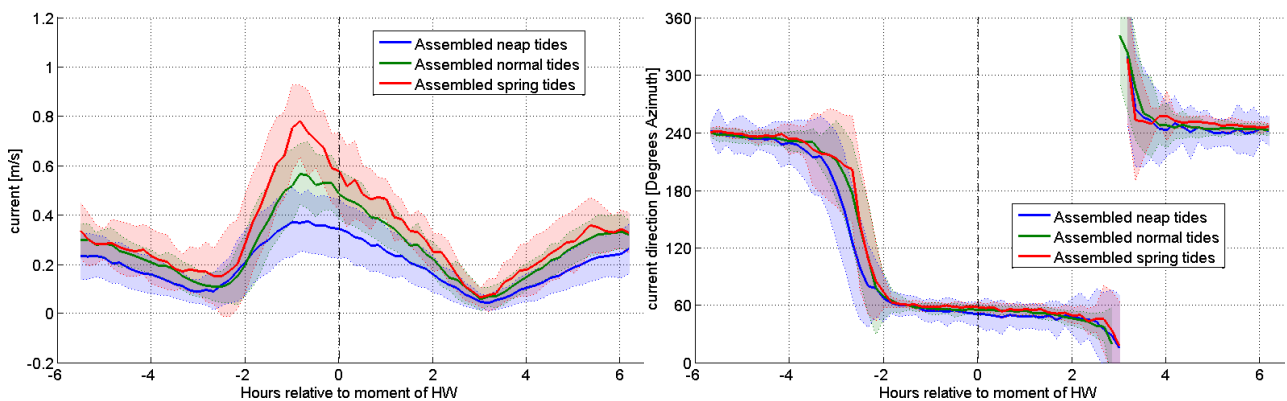


Figure 249 - Tripod deployment Blankenberge (ADV): 08/11/2006 - 15/12/2006 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.2mab



E.1.2 Tripod deployment Blankenberge (ADV): December 2006 - February 2007

Figure 250 - Tripod deployment Blankenberge (ADV): December 2006 - February 2007 - UV-diagram with tidal ellipse [m/s] at 0.20mab derived through tidal analyses (36 constituents)

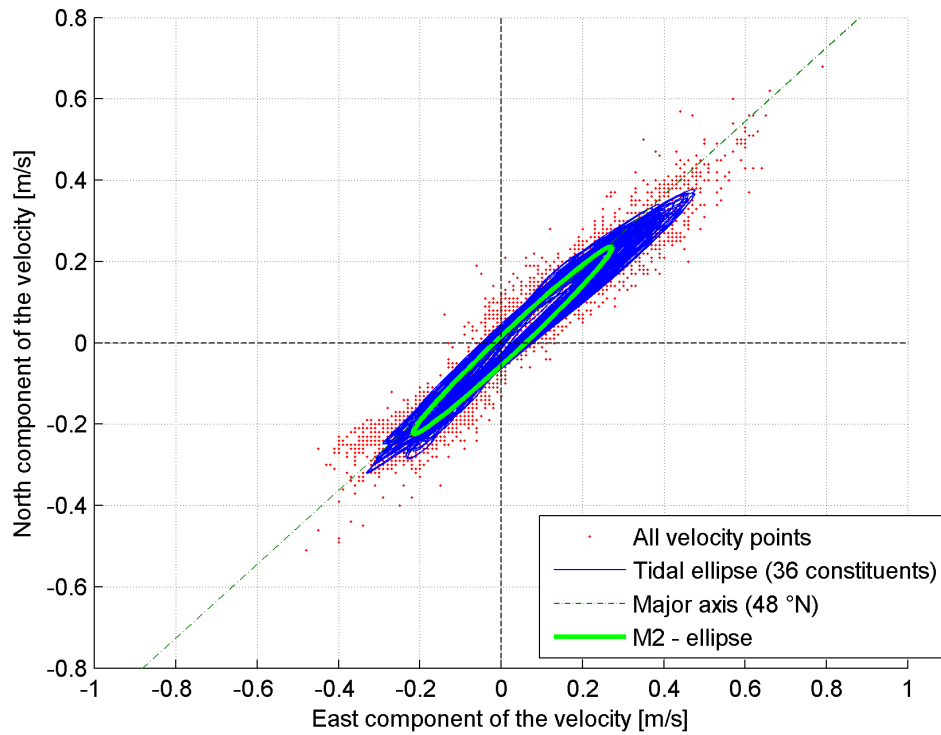


Figure 251 - Tripod deployment Blankenberge (ADV): December 2006 - February 2007 - East and North velocity components [m/s] at 0.20mab

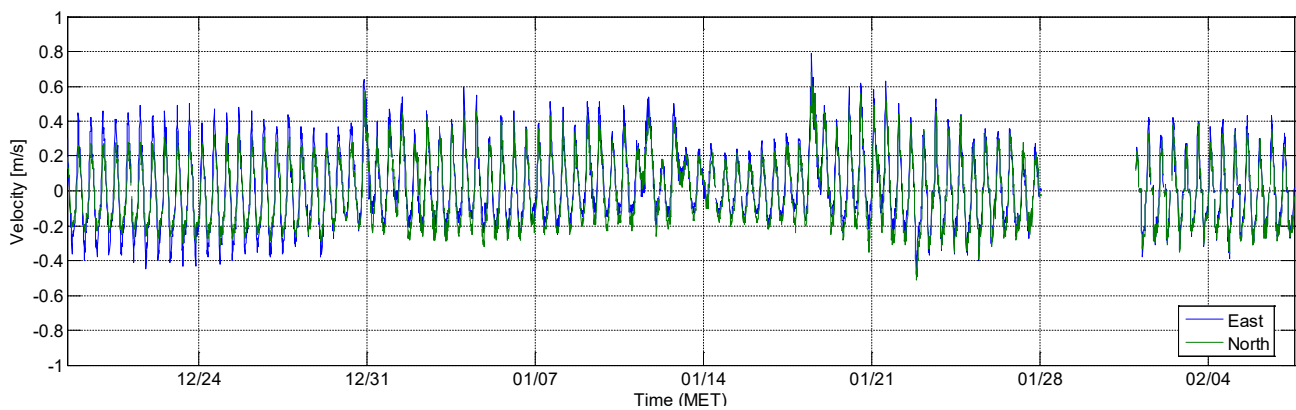


Figure 252 - Tripod deployment Blankenberge (ADV): December 2006 - February 2007 - Flow decomposed along the estimated major axis (48°N) [m/s] at 0.20mab

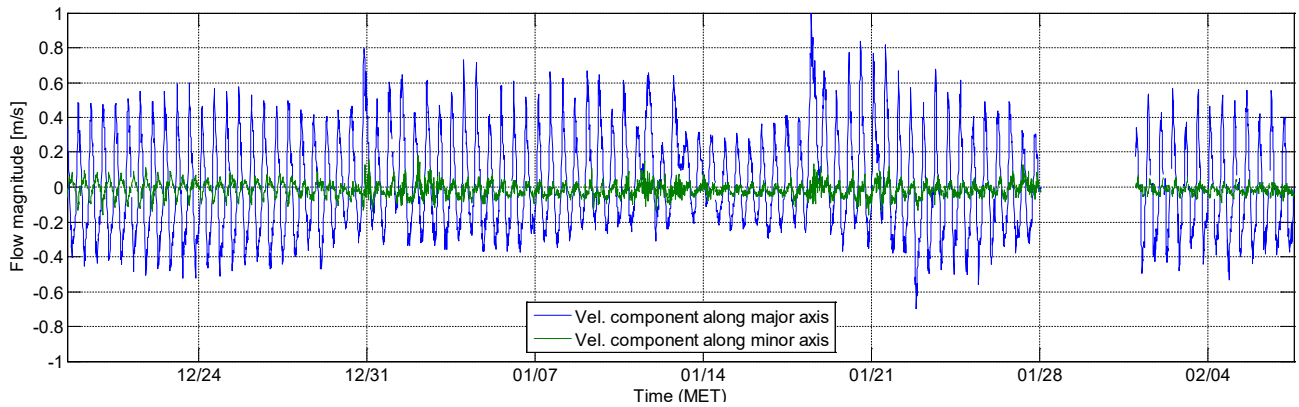


Figure 253 - Tripod deployment Blankenberge (ADV): December 2006 - February 2007 - Probability density of major axis direction. Number of bootstrap samples: 2490, sample length: random number of tidal cycles), normal fit: mean=47.6°, dev=3.06°

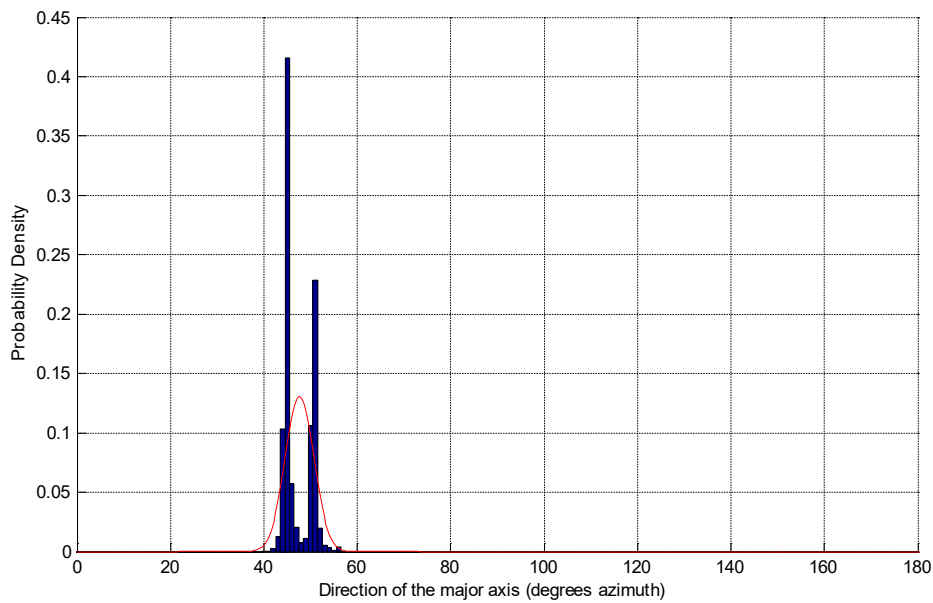
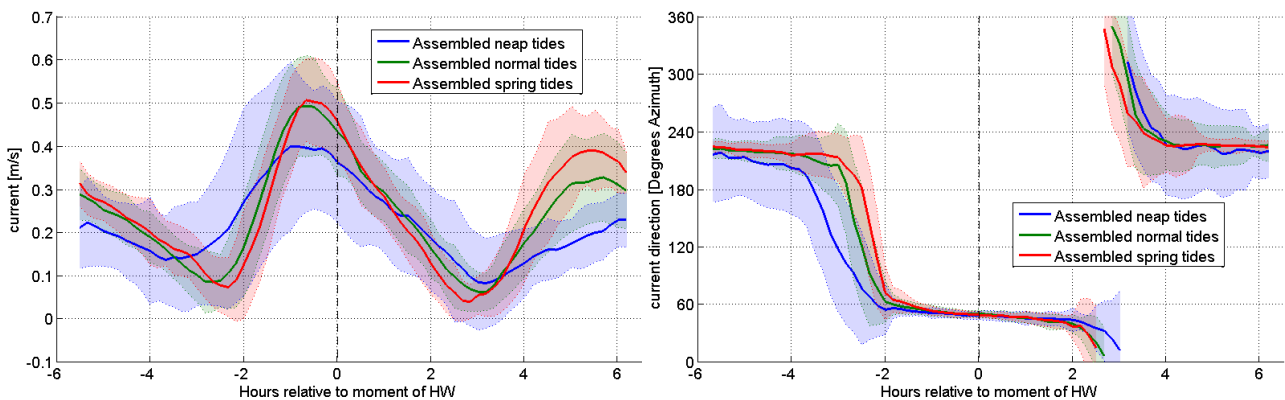


Figure 254 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.2mab, Blankenberge, 18/12/2006 - 07/02/2007



E.1.3 Tripod deployment Blankenberge (ADV): January - February 2008

Figure 255 - Tripod deployment Blankenberge (ADV): January - February 2008 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

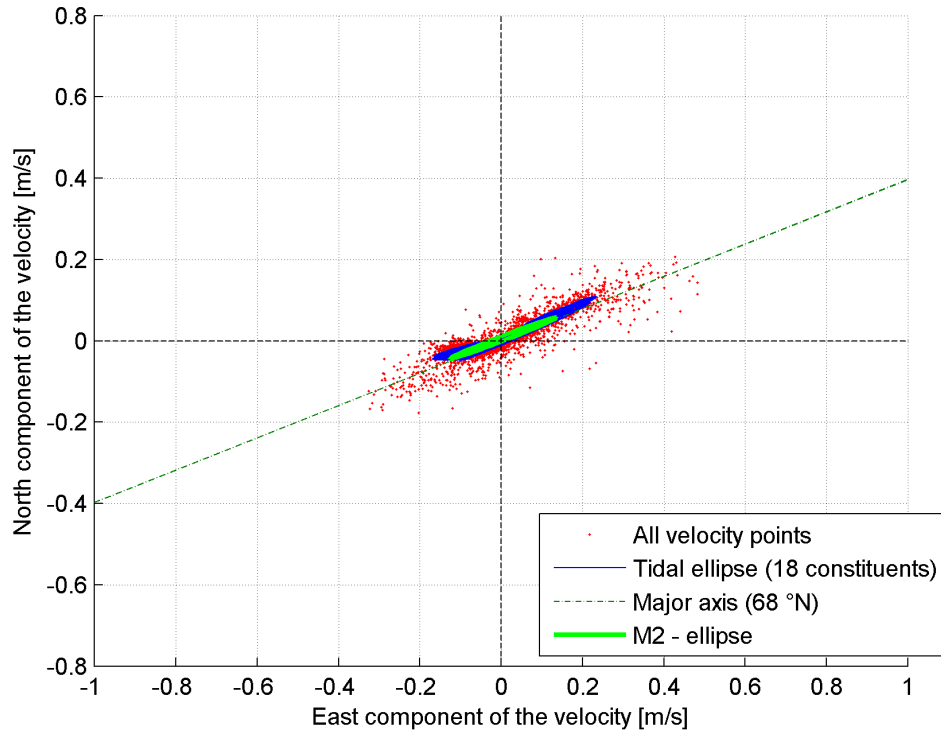


Figure 256 - Tripod deployment Blankenberge (ADV): January - February 2008 - East and North velocity components [m/s] at 0.18mab

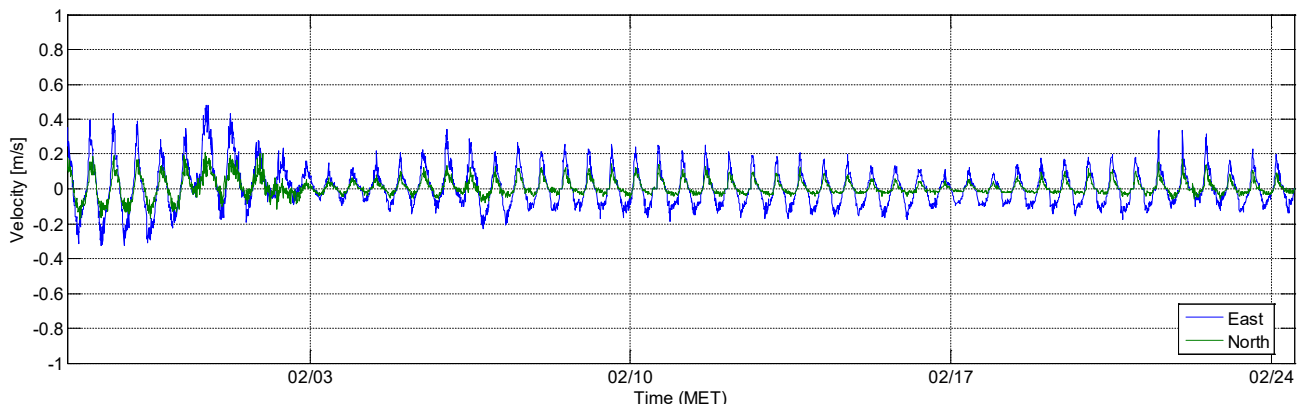


Figure 257 - Tripod deployment Blankenberge (ADV): January - February 2008 - Flow decomposed along the estimated major axis (68°N) [m/s] at 0.18mab

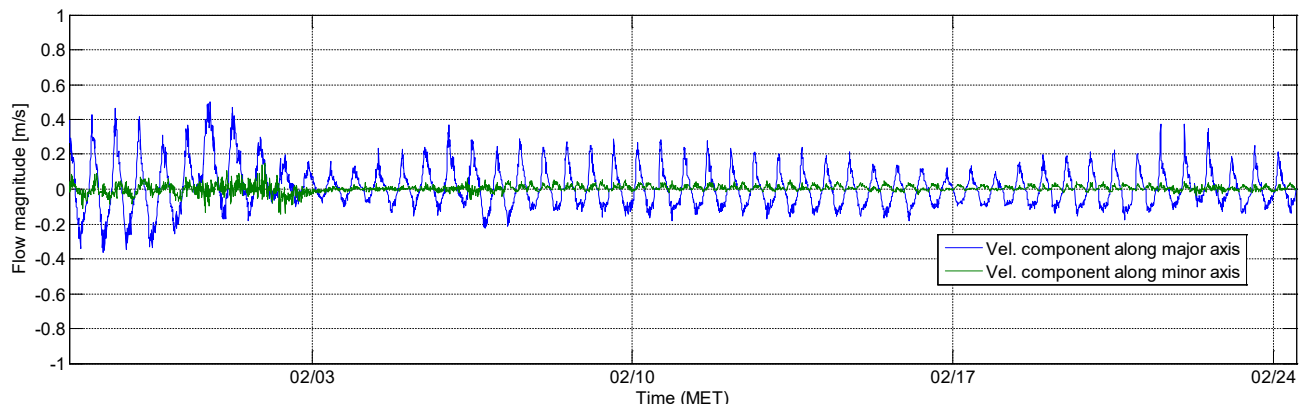
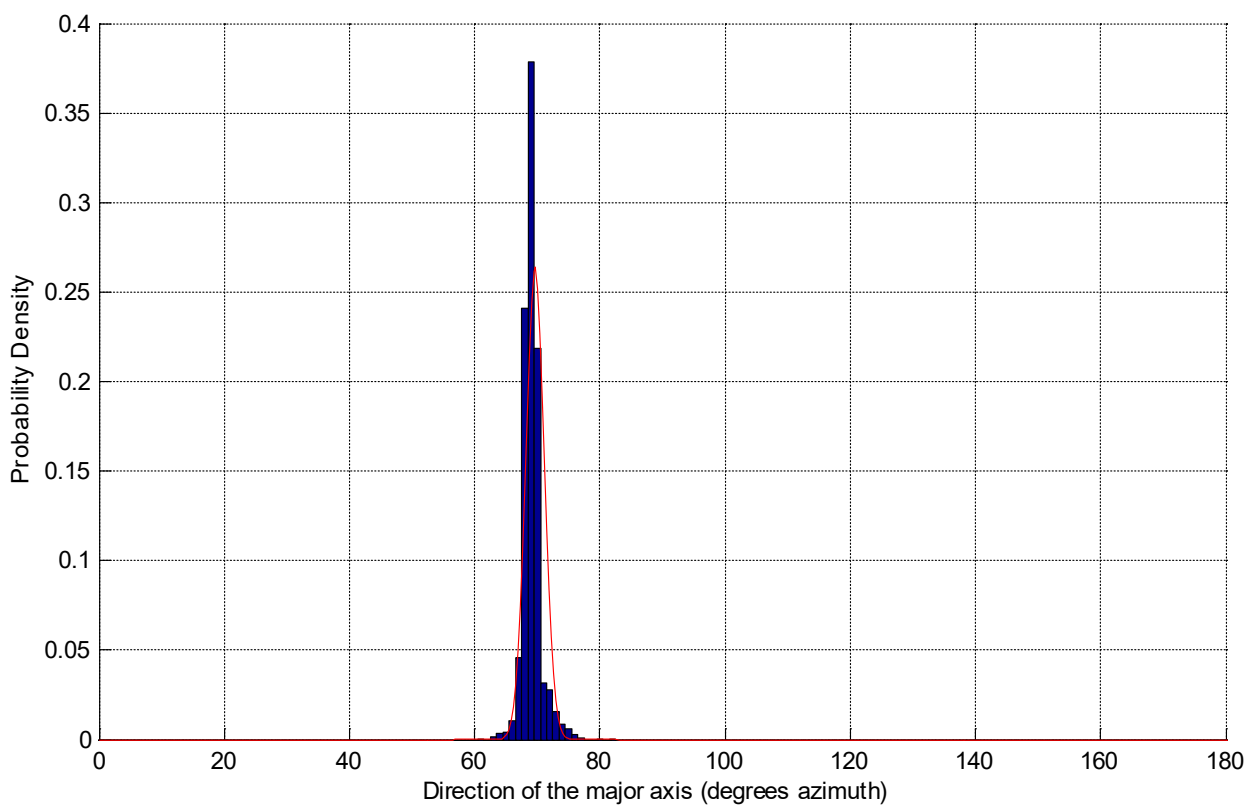


Figure 258 - Tripod deployment Blankenberge (ADV): January - February 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.6°, dev=1.51°



E.1.4 Tripod deployment Blankenberge (ADV): March - April 2008

Figure 259 - Tripod deployment Blankenberge (ADV): March - April 2008 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

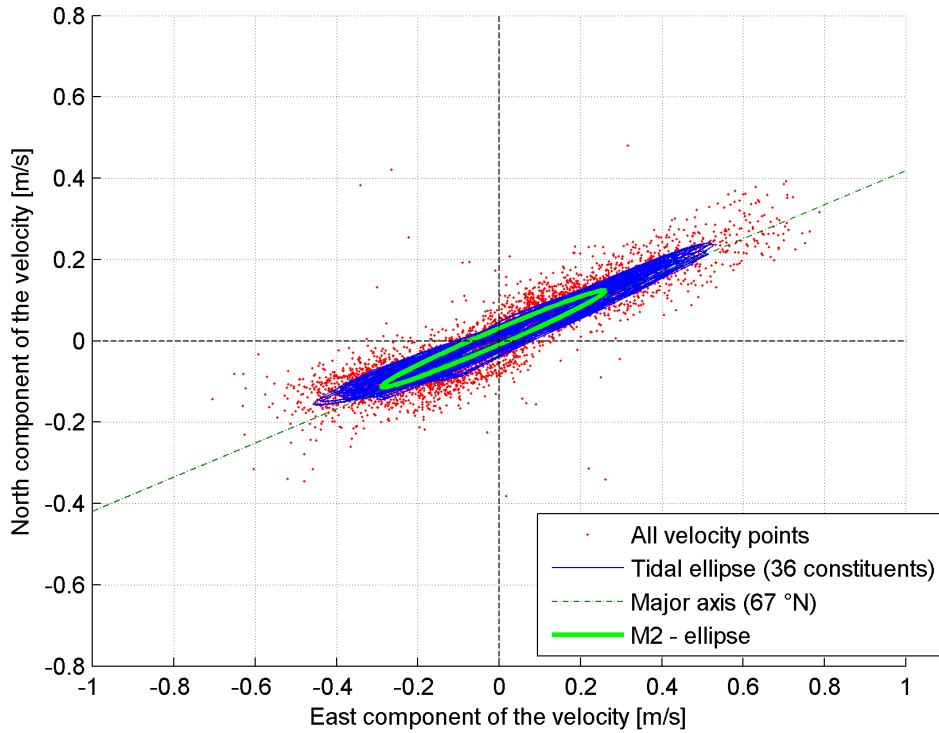


Figure 260 - Tripod deployment Blankenberge (ADV): March - April 2008 - East and North velocity components [m/s] at 0.18mab

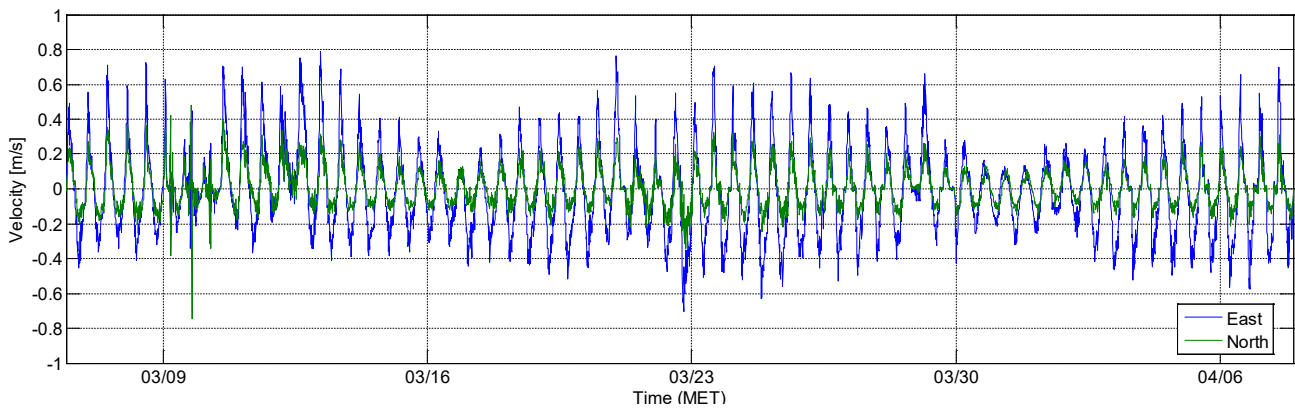


Figure 261 - Tripod deployment Blankenberge (ADV): March - April 2008 - Flow decomposed along the estimated major axis (67°N) [m/s] at 0.18mab

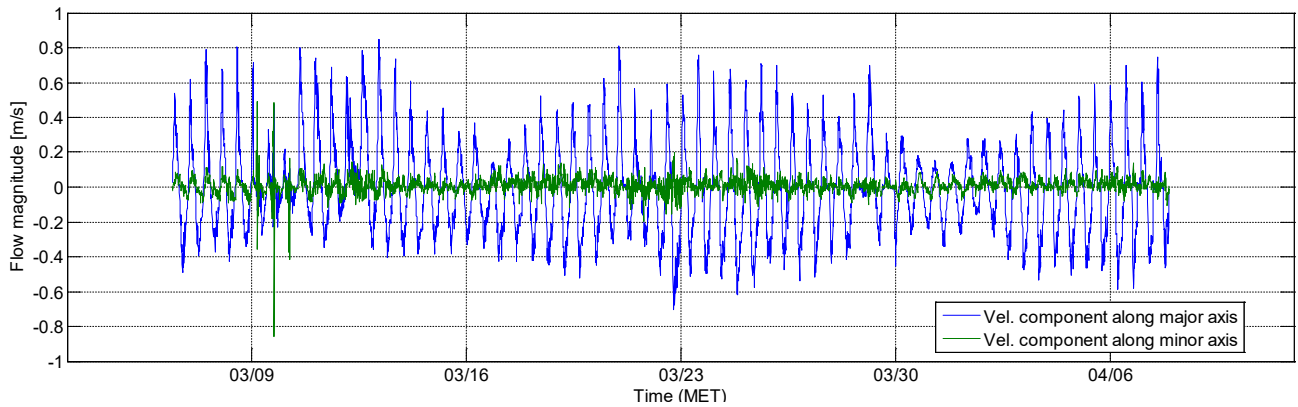


Figure 262 - Tripod deployment Blankenberge (ADV): March - April 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.7°, dev=1.27°

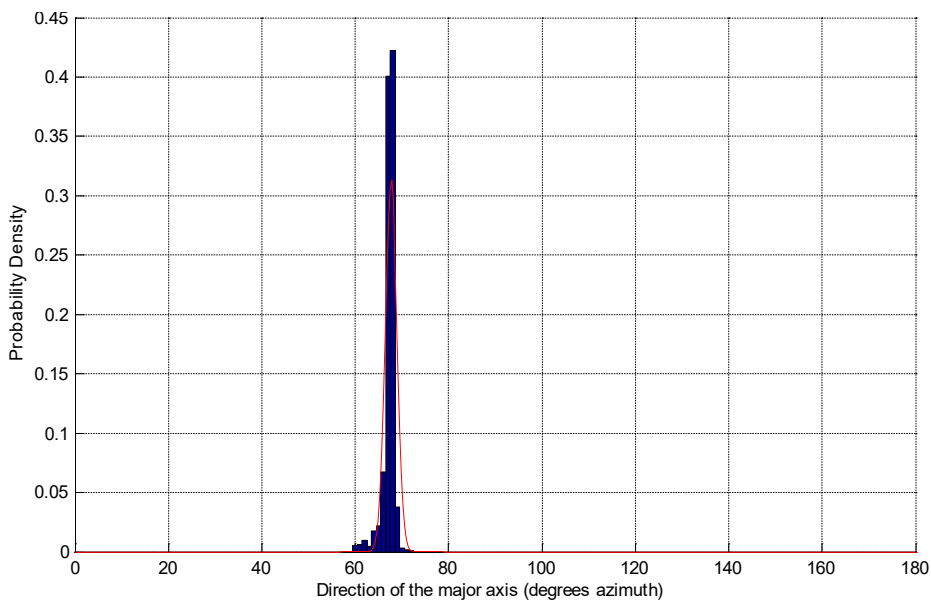
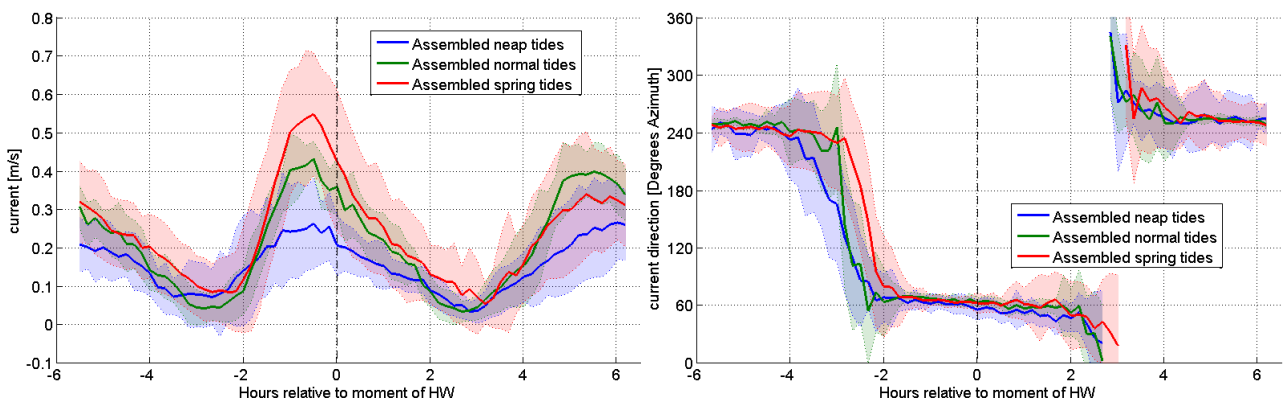


Figure 263 - Tripod deployment Blankenberge (ADV): 06/03/2008 - 07/04/2008 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.1.5 Tripod deployment Blankenberge (ADV): April - June 2008

Figure 264 - Tripod deployment Blankenberge (ADV): April - June 2008 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

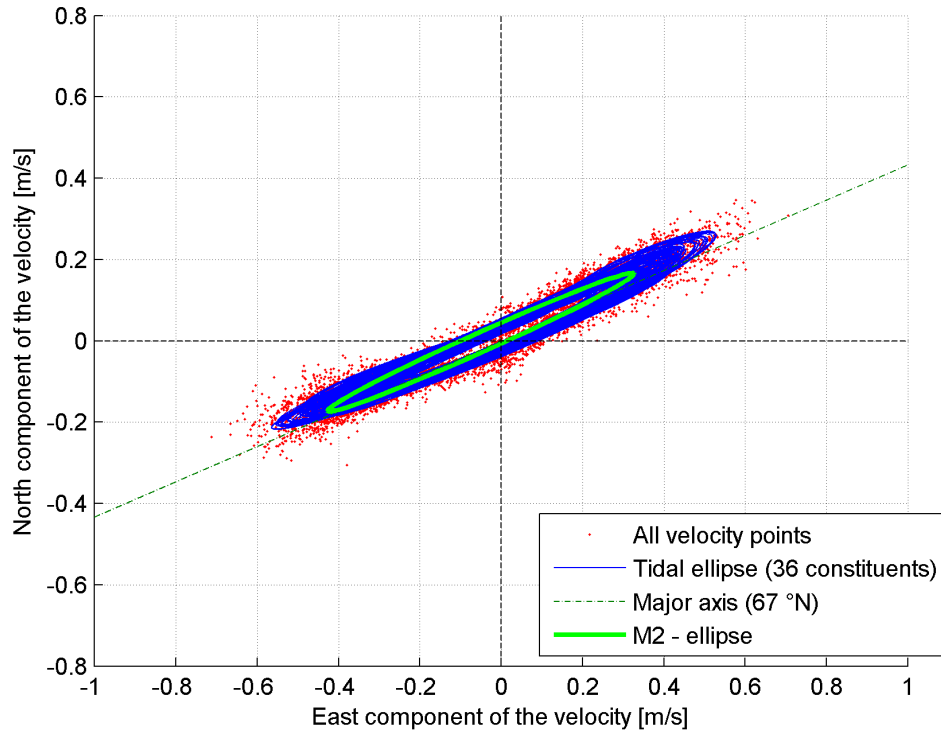


Figure 265 - Tripod deployment Blankenberge (ADV): April - June 2008 - East and North velocity components [m/s] at 0.18mab

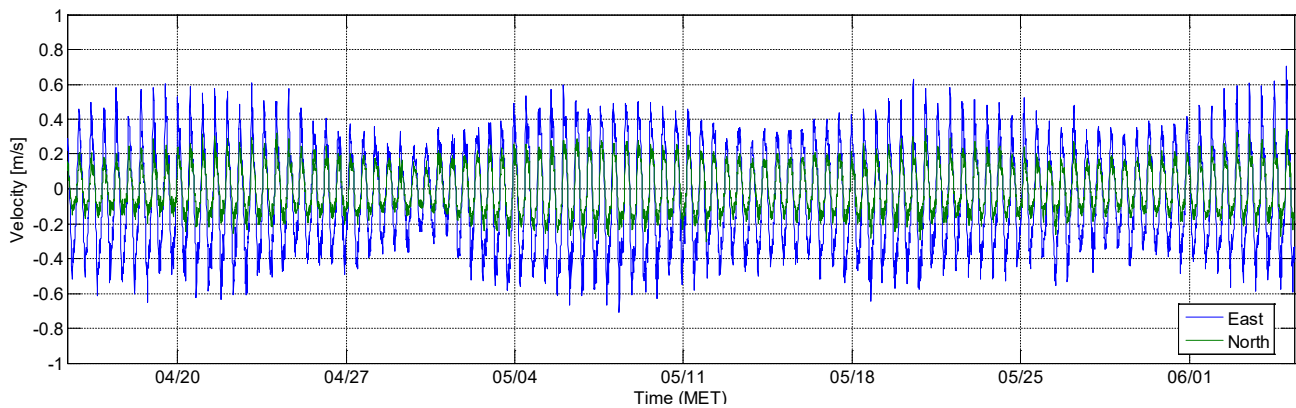


Figure 266 - Tripod deployment Blankenberge (ADV): April - June 2008 - Flow decomposed along the estimated major axis (67°N) [m/s] at 0.18mab

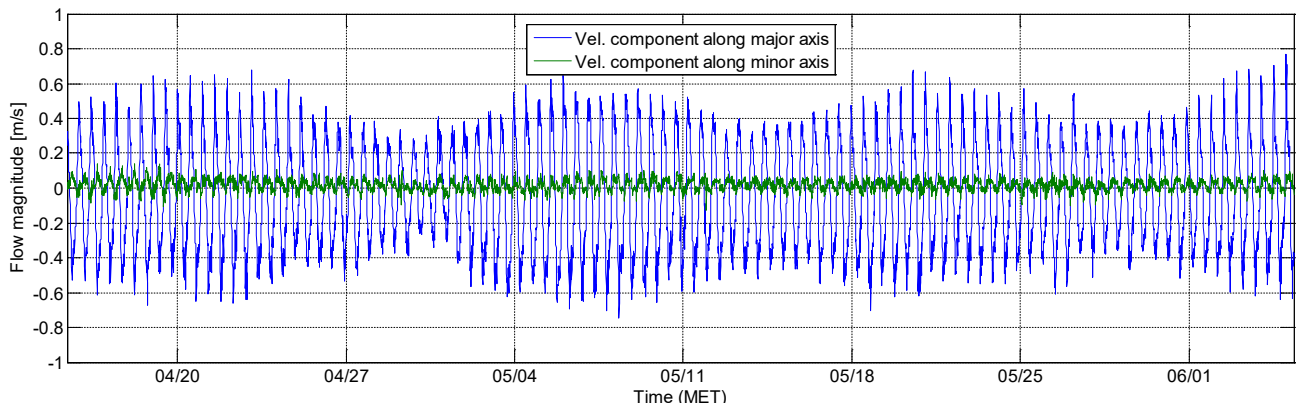


Figure 267 - Tripod deployment Blankenberge (ADV): April - June 2008 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=66.1°, dev=0.80°

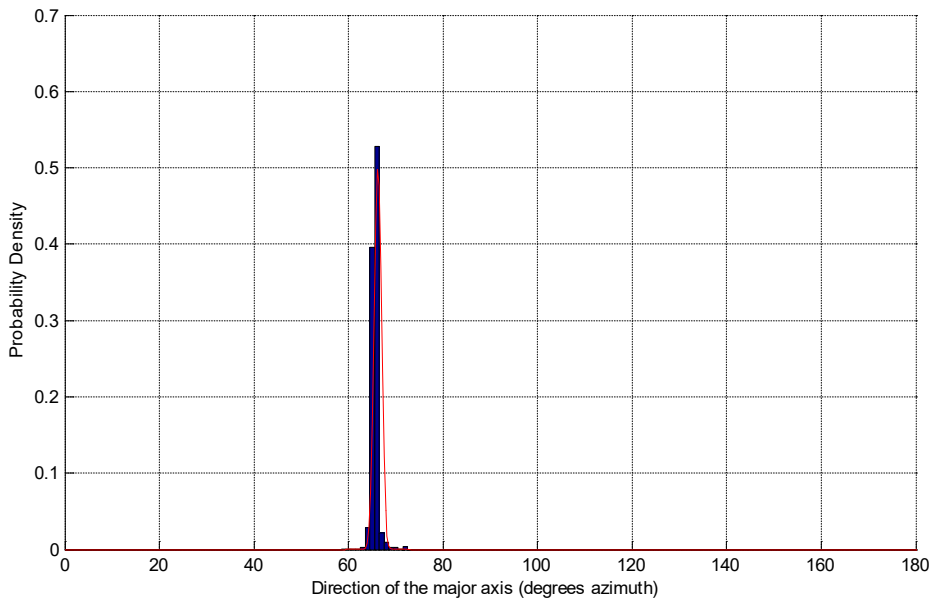
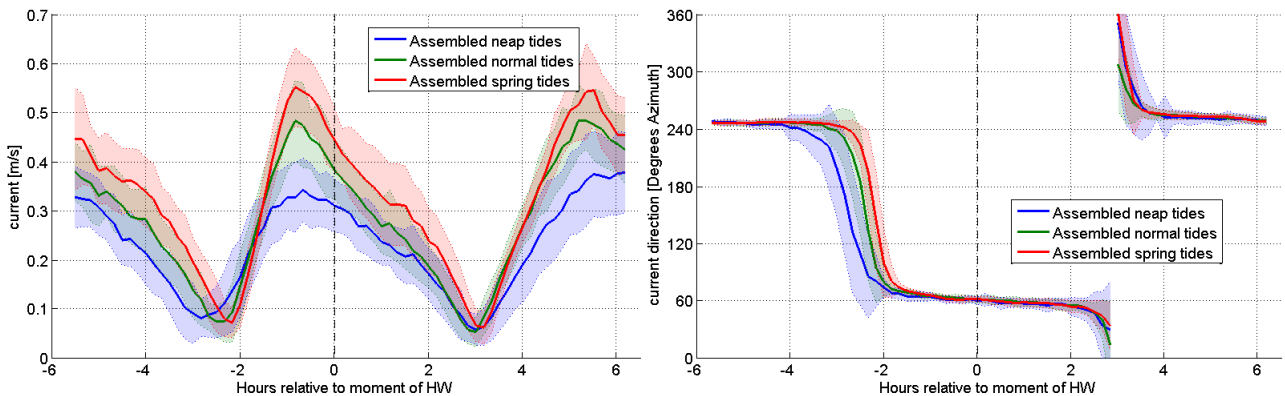


Figure 268 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab, Blankenberge, 15/04/2008 - 05/06/2008



E.1.6 Tripod deployment Blankenberge (ADV): May - June 2009

Figure 269 - Tripod deployment Blankenberge (ADV): May - June 2009 - UV-diagram with tidal ellipse [m/s] at 0.20mab derived through tidal analyses (36 constituents)

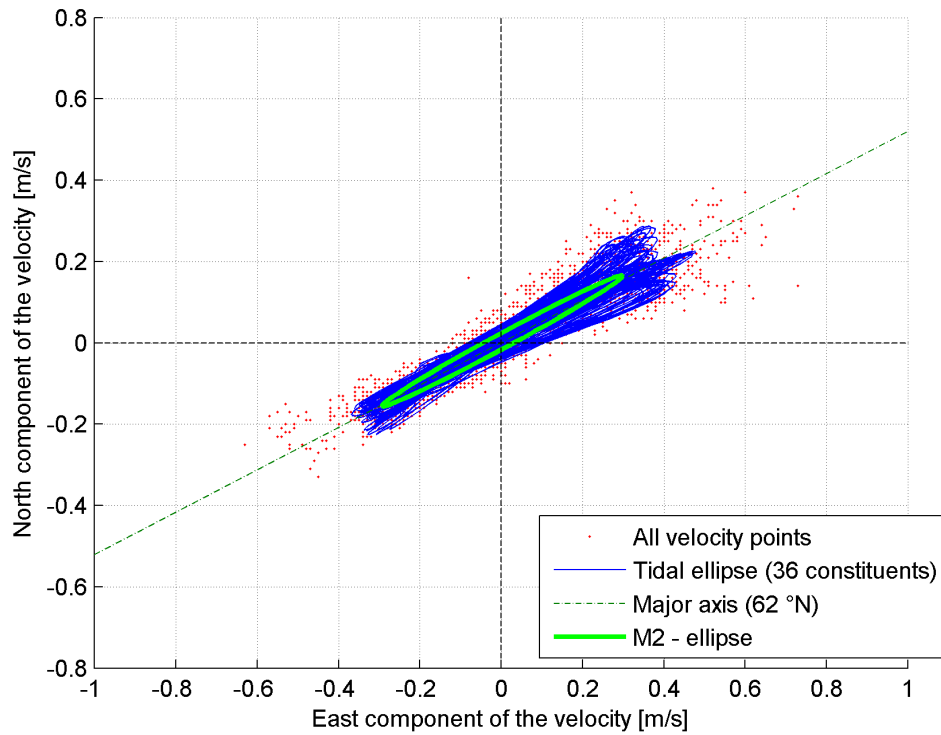


Figure 270 - Tripod deployment Blankenberge (ADV): May - June 2009 - East and North velocity components [m/s] at 0.20mab

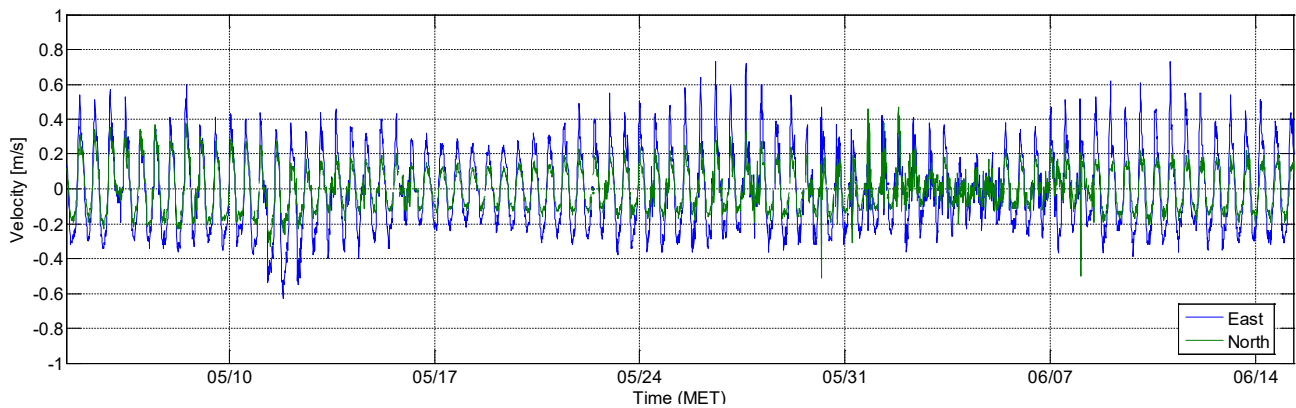


Figure 271 - Tripod deployment Blankenberge (ADV): May - June 2009 - Flow decomposed along the estimated major axis (62°N) [m/s] at 0.20mab

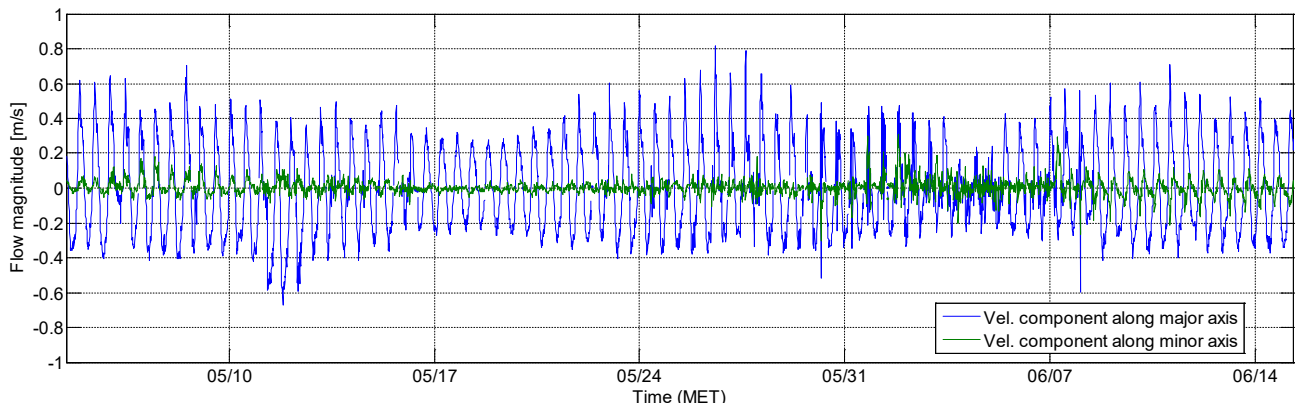


Figure 272 - Tripod deployment Blankenberge (ADV): May - June 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.3°, dev=2.30°

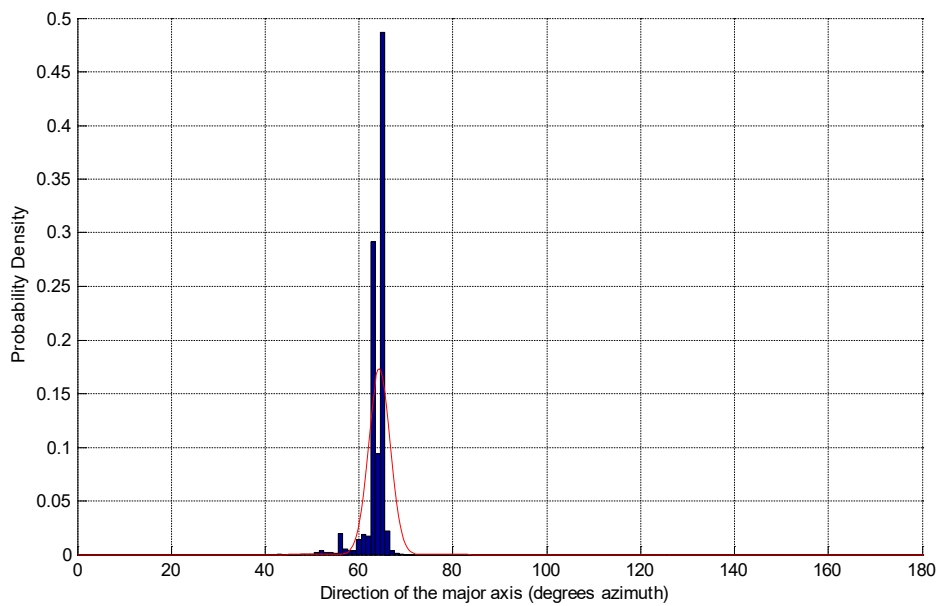
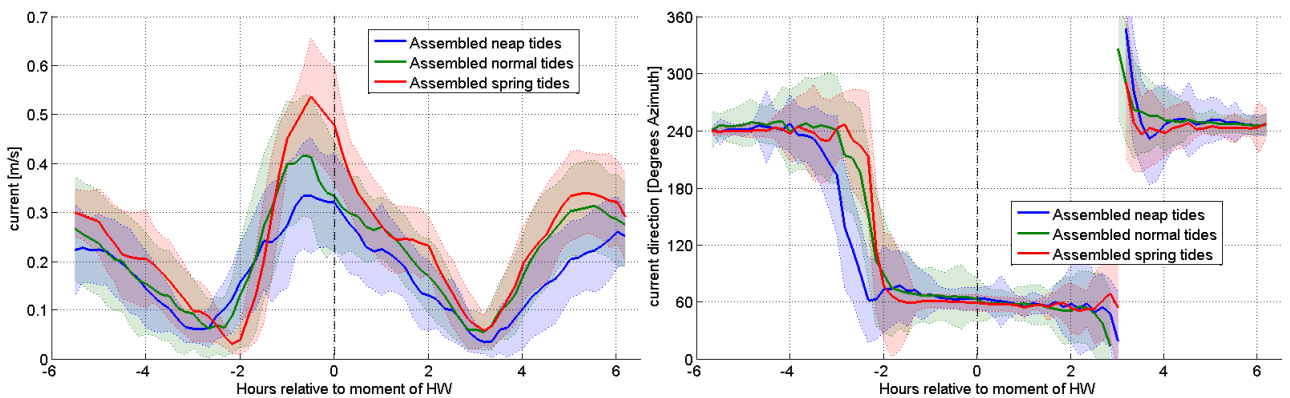


Figure 273 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.2mab, Blankenberge, 04/05/2009 - 15/06/2009



E.2 OD Nature Tripod deployment MOW1 – ADV

E.2.1 Tripod deployment MOW1 (ADV): February 2005

Figure 274 - Tripod deployment MOW1 (ADV): February 2005 - UV-diagram with tidal ellipse [m/s] at 0.43mab derived through tidal analyses (2 constituents)

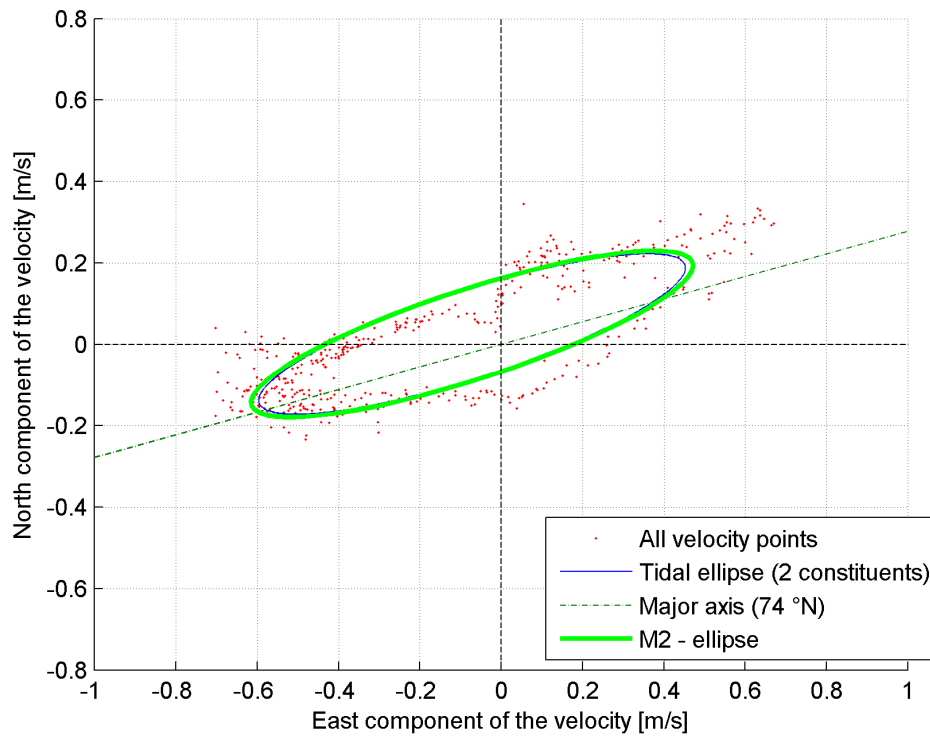


Figure 275 - Tripod deployment MOW1 (ADV): February 2005 - East and North velocity components [m/s] at 0.43mab

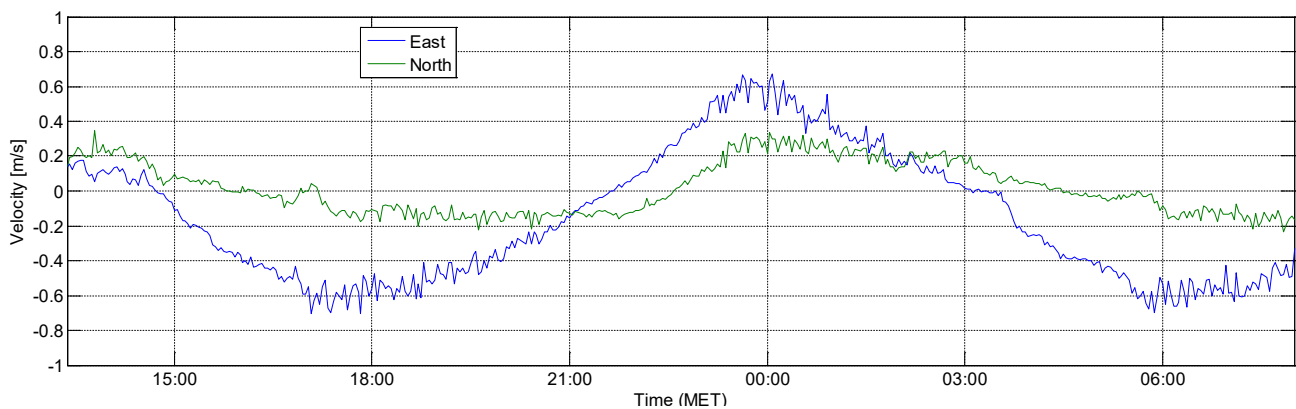


Figure 276 - Tripod deployment MOW1 (ADV): February 2005 - Flow decomposed along the estimated major axis (74°N) [m/s] at 0.43mab

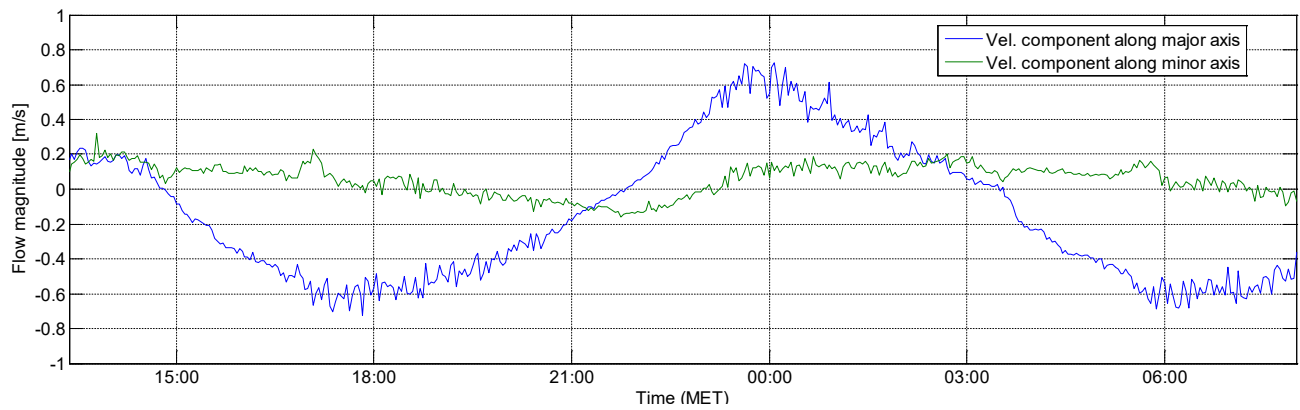
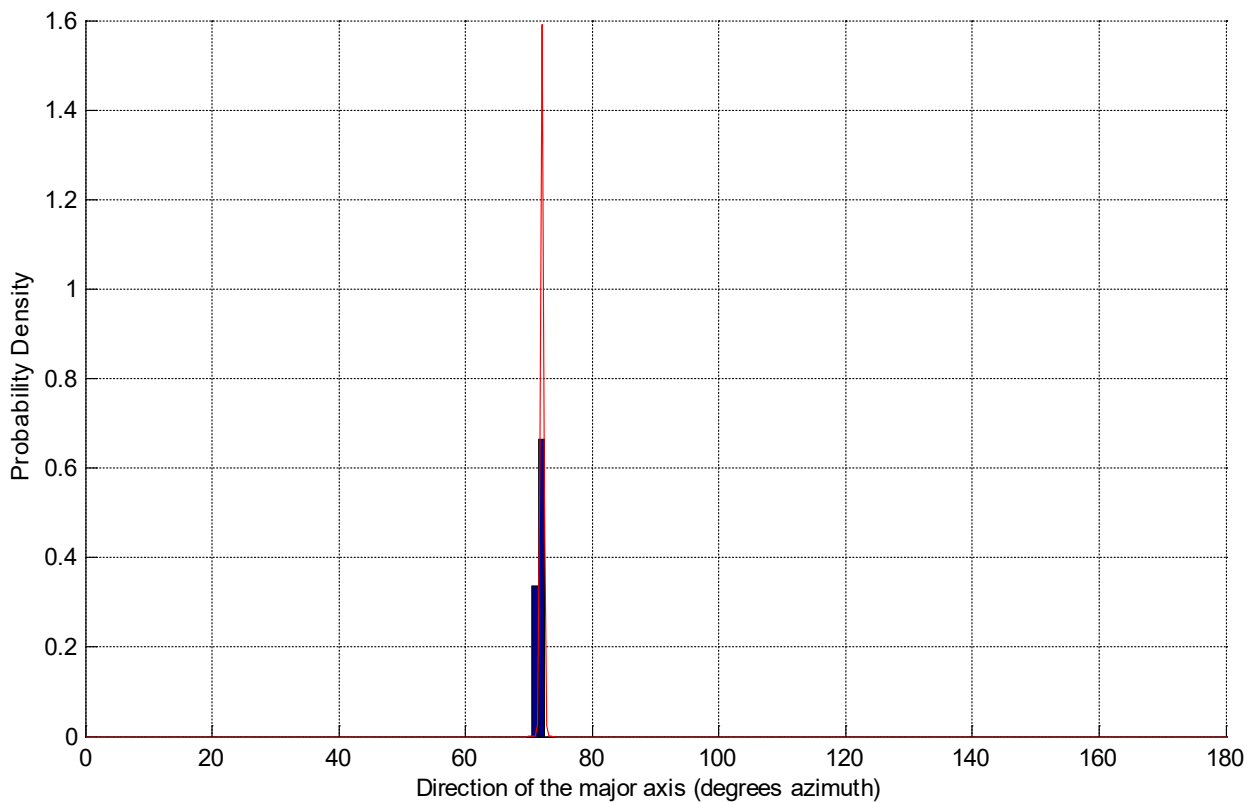


Figure 277 - Tripod deployment MOW1 (ADV): February 2005 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.2°, dev=0.25°



E.2.2 Tripod deployment MOW1 (ADV): April 2005

Figure 278 - Tripod deployment MOW1 (ADV): April 2005 - UV-diagram with tidal ellipse [m/s] at 0.23mab derived through tidal analyses (9 constituents)

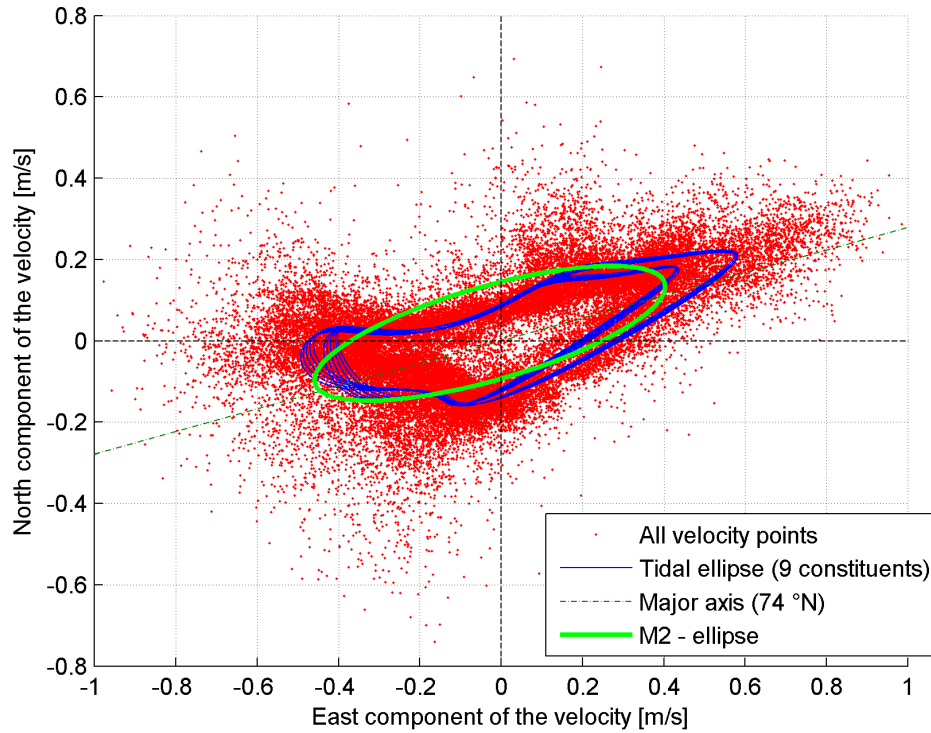


Figure 279 - Tripod deployment MOW1 (ADV): April 2005 - East and North velocity components [m/s] at 0.23mab

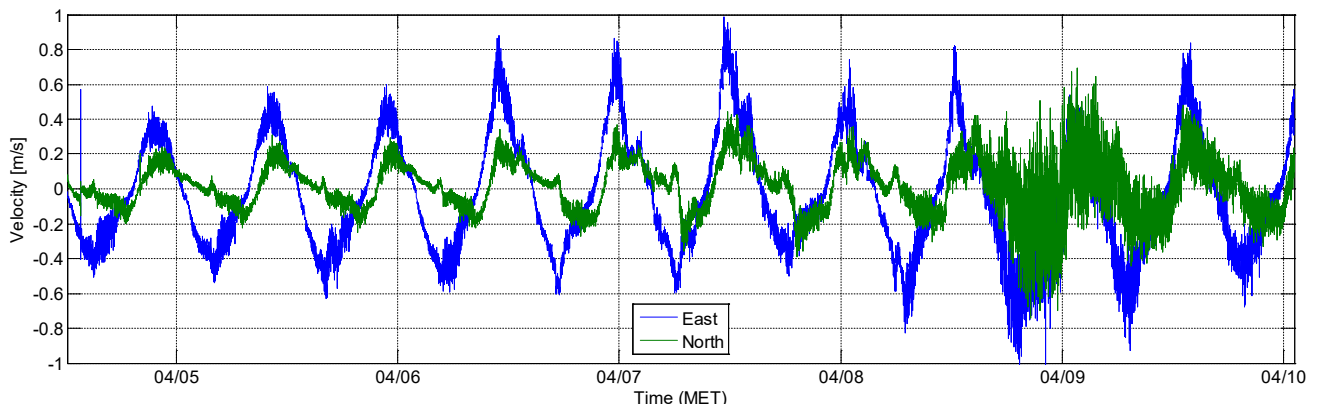


Figure 280 - Tripod deployment MOW1 (ADV): April 2005 - Flow decomposed along the estimated major axis (74°N) [m/s] at 0.23mab

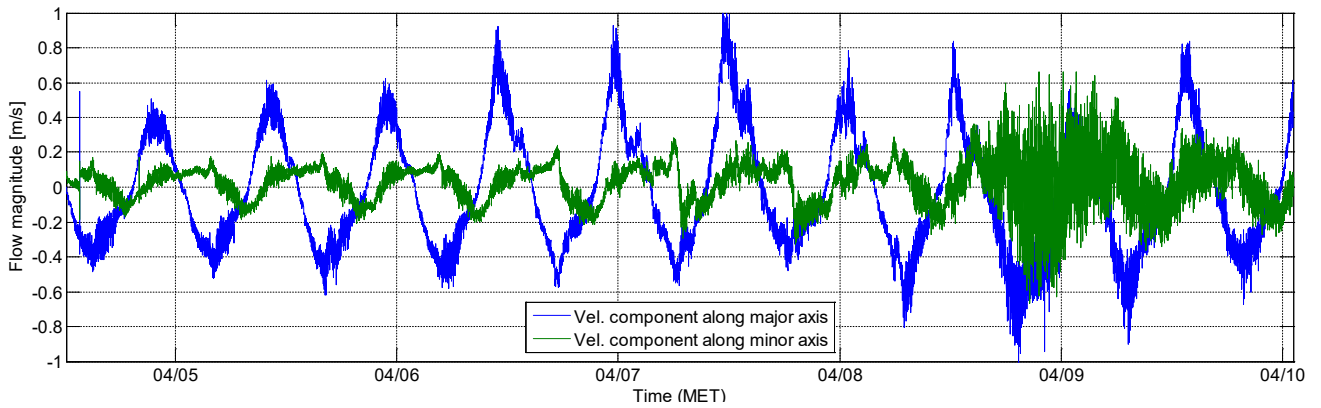
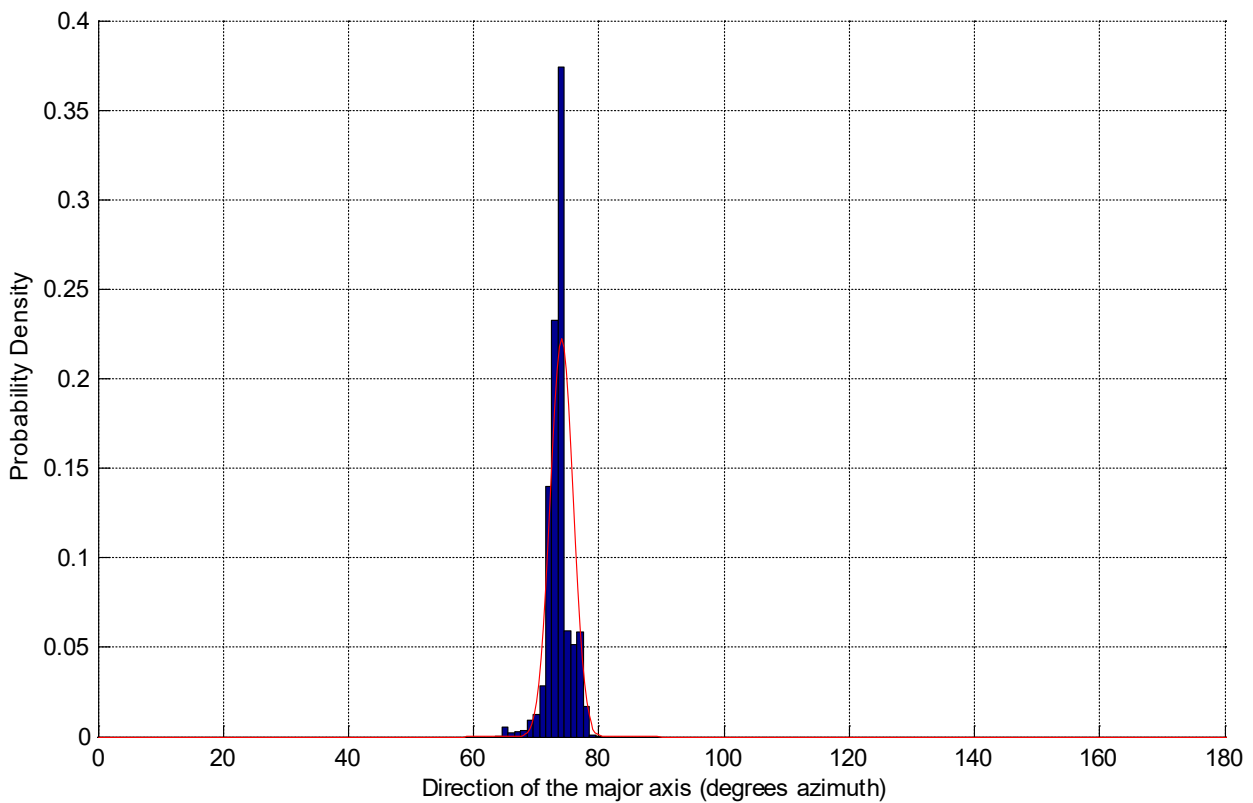


Figure 281 - Tripod deployment MOW1 (ADV): April 2005 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=74.1°, dev=1.80°



E.2.3 Tripod deployment MOW1 (ADV): June 2005

Figure 282 - Tripod deployment MOW1 (ADV): June 2005 - UV-diagram with tidal ellipse
[m/s] at 0.43mab derived through tidal analyses (9 constituents)

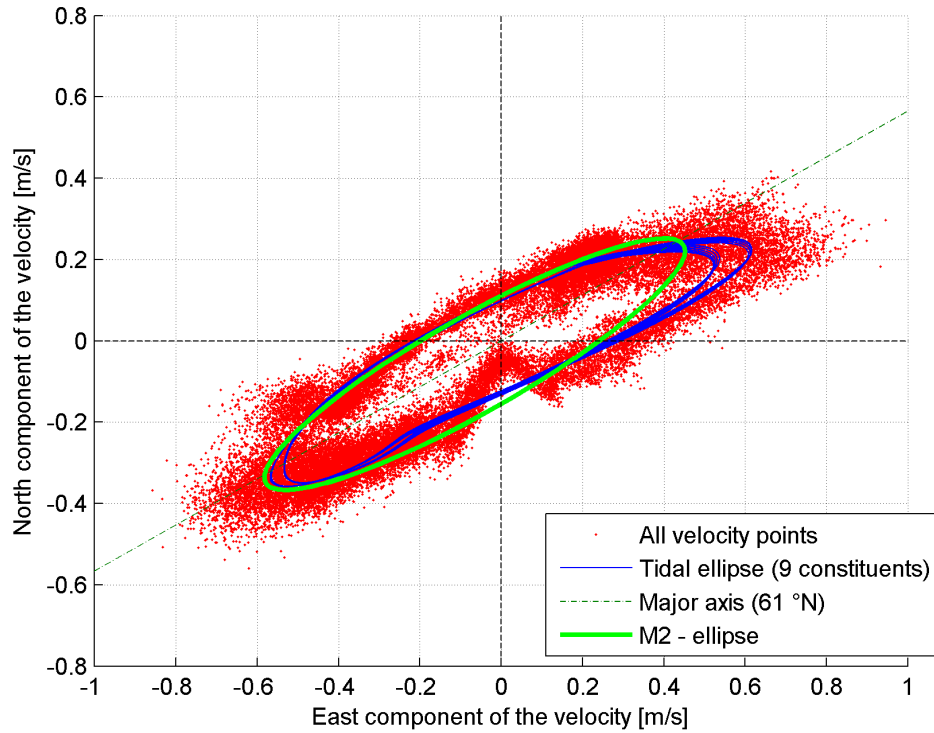


Figure 283 - Tripod deployment MOW1 (ADV): June 2005 - East and North velocity components
[m/s] at 0.43mab

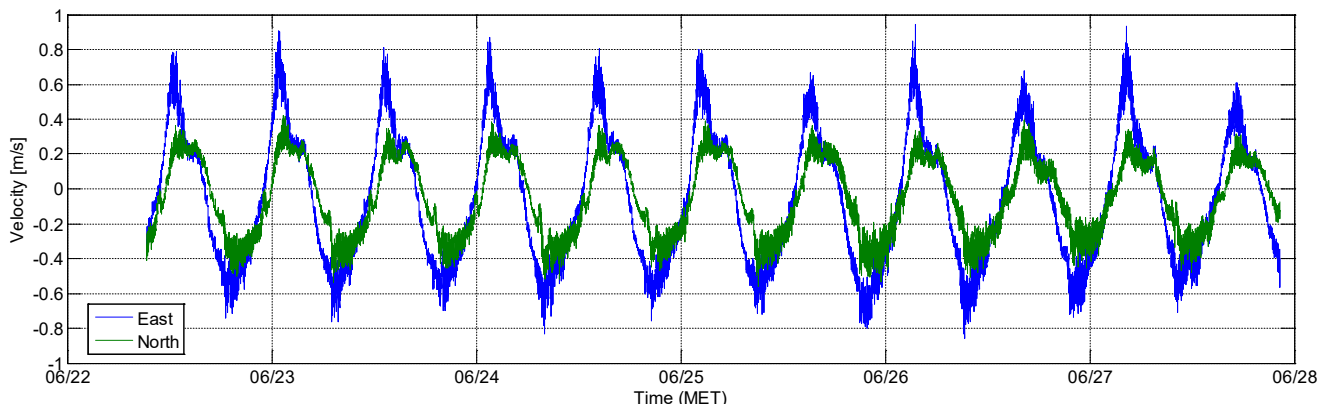


Figure 284 - Tripod deployment MOW1 (ADV): June 2005 - Flow decomposed along the estimated major axis (61°N) [m/s] at 0.43mab

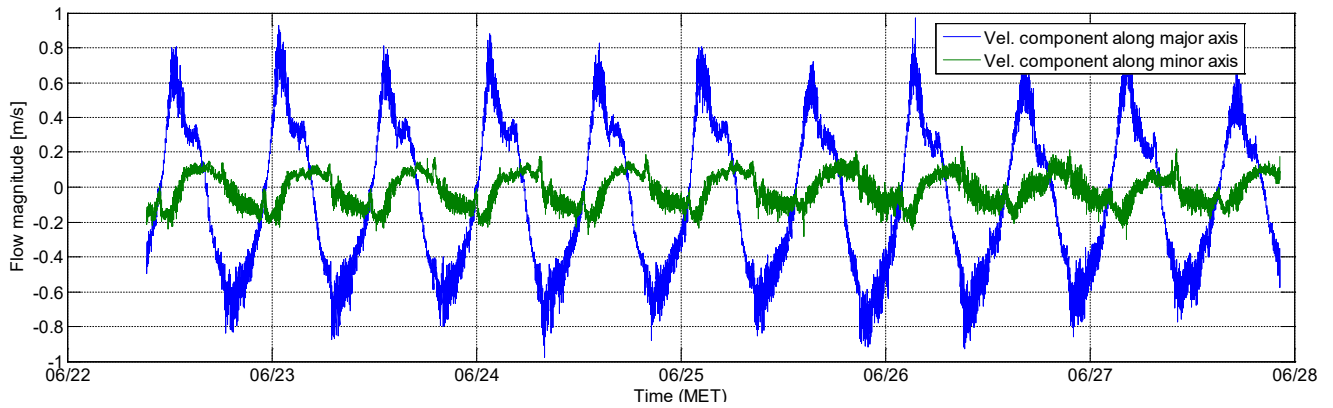
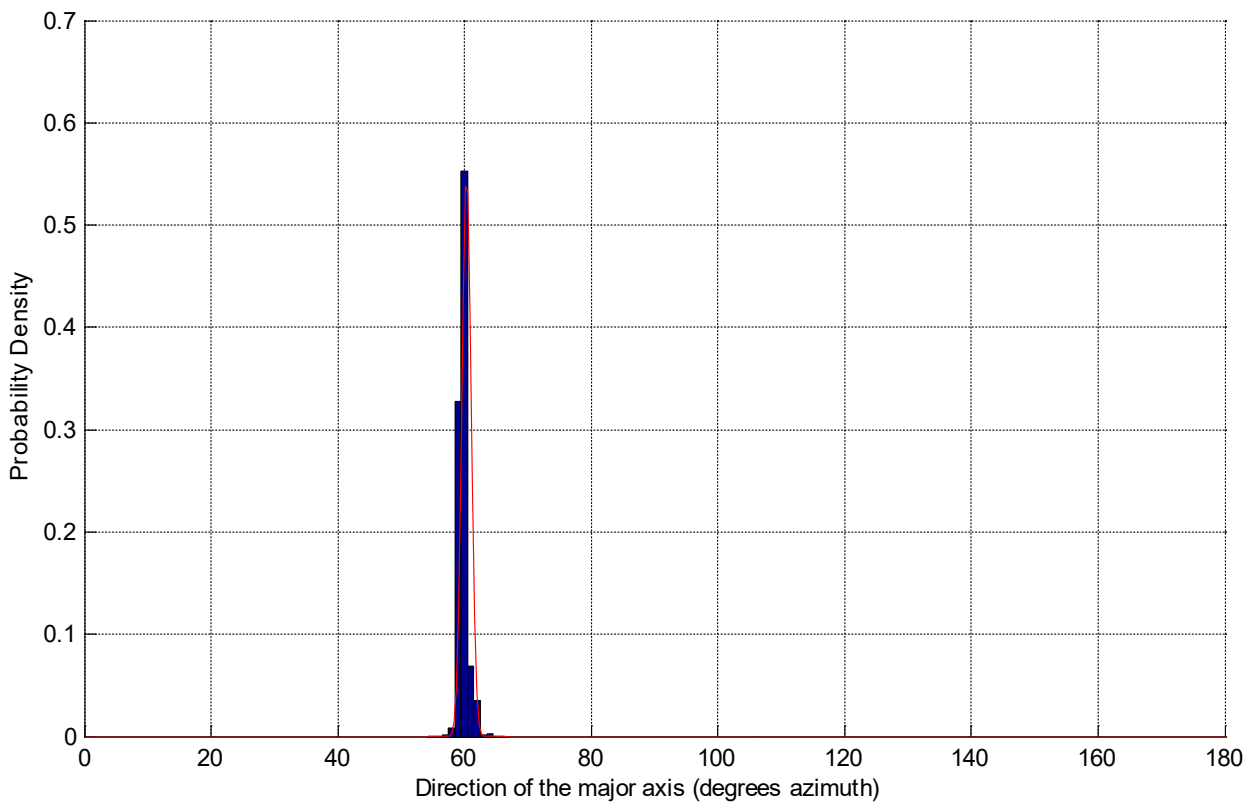


Figure 285 - Tripod deployment MOW1 (ADV): June 2005 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=60.3°, dev=0.72°



E.2.4 Tripod deployment MOW1 (ADV): November - December 2005

Figure 286 - Tripod deployment MOW1 (ADV): November - December 2005 - UV-diagram with tidal ellipse [m/s] at 0.30mab derived through tidal analyses (10 constituents)

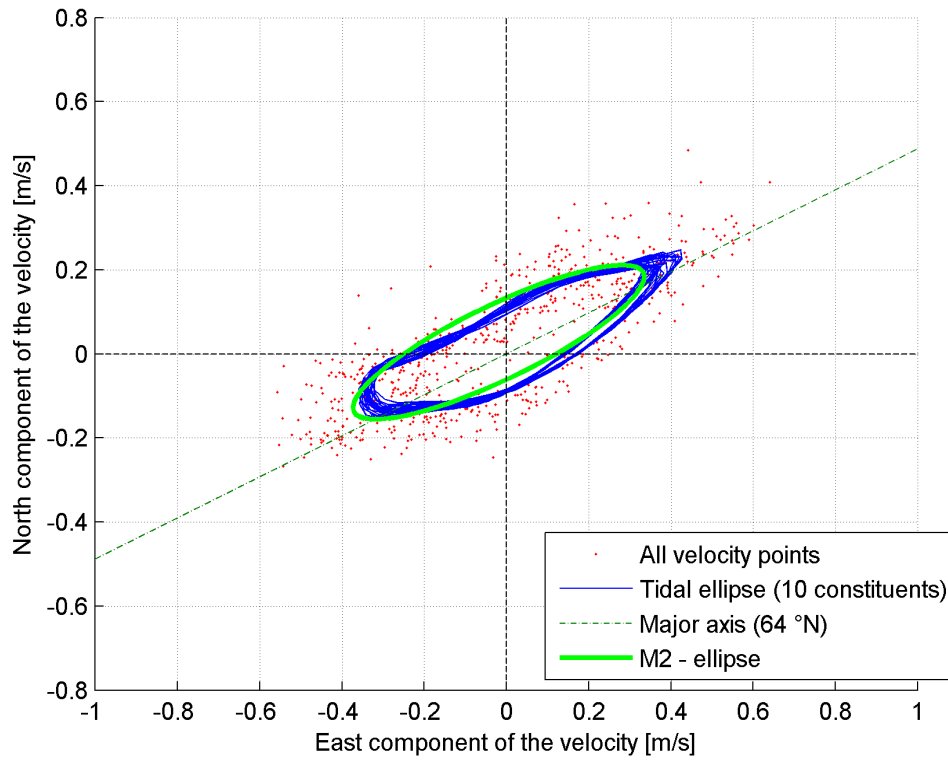


Figure 287 - Tripod deployment MOW1 (ADV): November - December 2005 - East and North velocity components [m/s] at 0.30mab

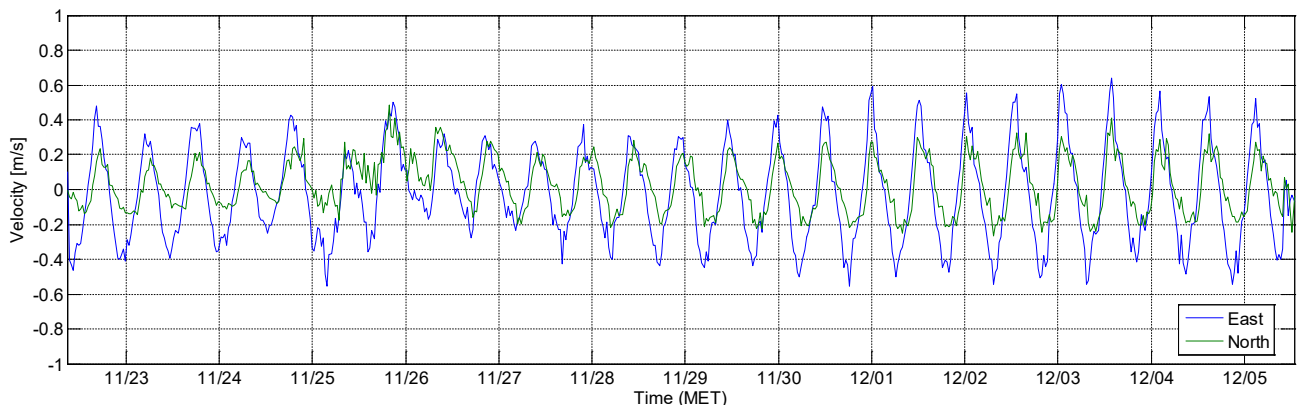


Figure 288 - Tripod deployment MOW1 (ADV): November - December 2005 - Flow decomposed along the estimated major axis (64°N) [m/s] at 0.30mab

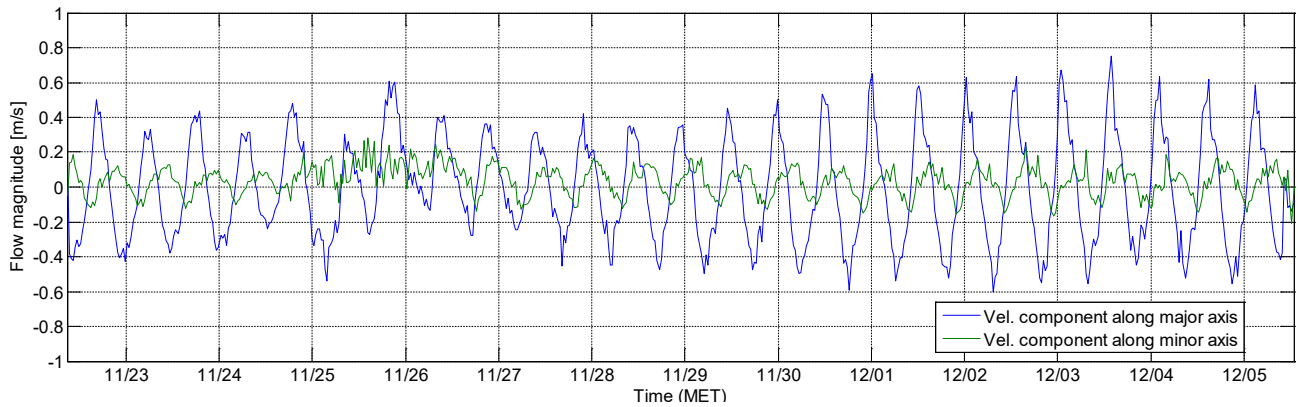


Figure 289 - Tripod deployment MOW1 (ADV): November - December 2005 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=62.3°, dev=3.63°

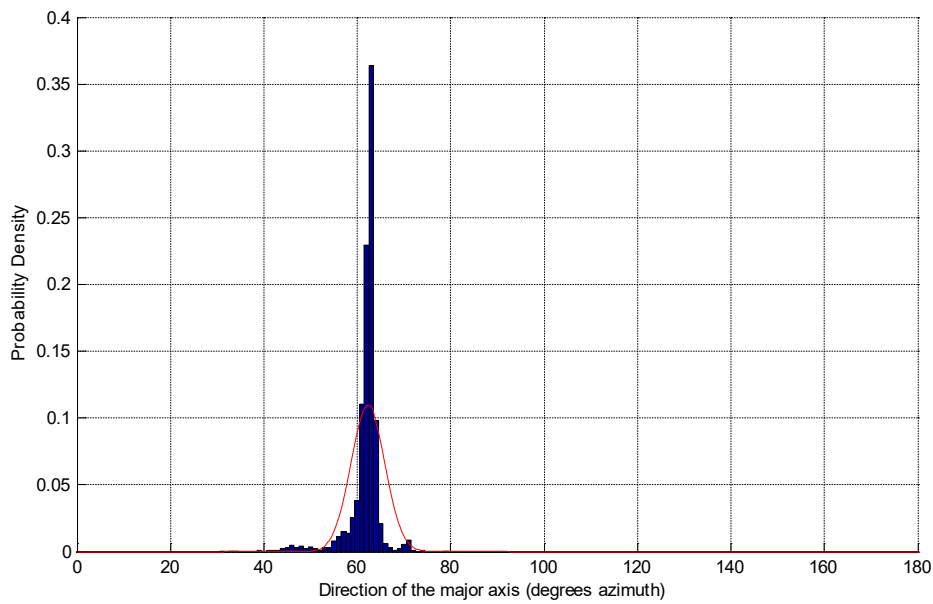
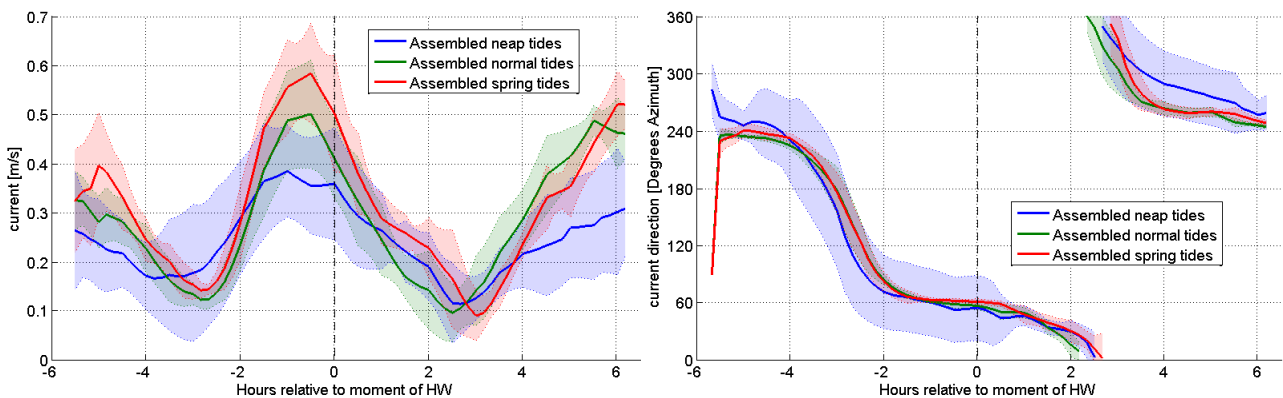


Figure 290 - Tripod deployment MOW1 (ADV): 22/11/2005 - 05/12/2005 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.3mab



E.2.5 Tripod deployment MOW1 (ADV): February 2006

Figure 291 - Tripod deployment MOW1 (ADV): February 2006 - UV-diagram with tidal ellipse [m/s] at 0.28m derived through tidal analyses (11 constituents)

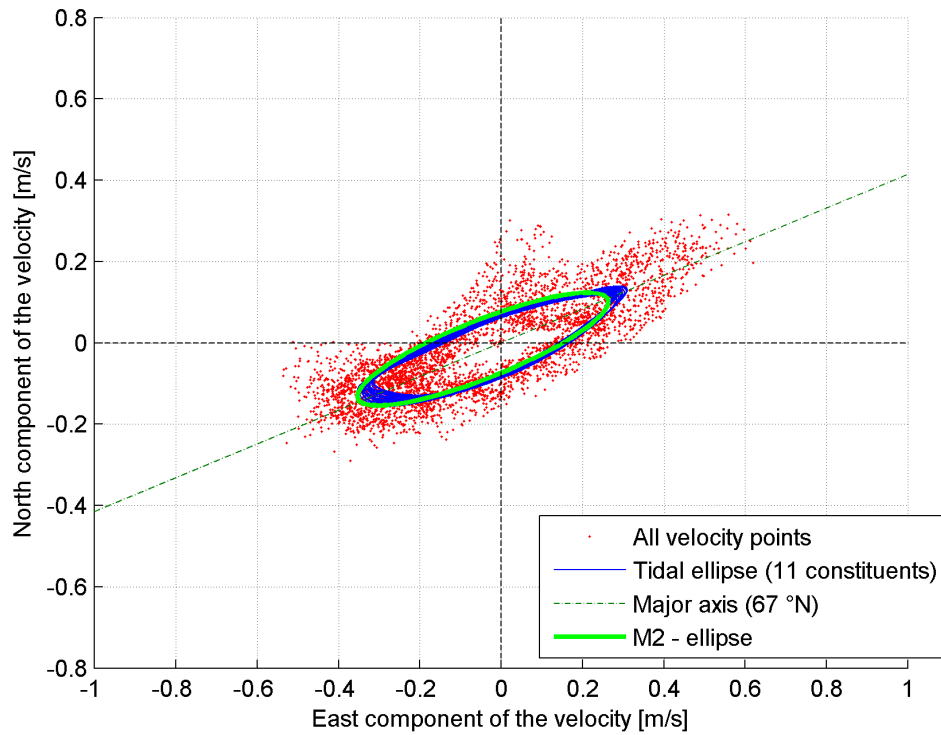


Figure 292 - Tripod deployment MOW1 (ADV): February 2006 - East and North velocity components [m/s] at 0.28m

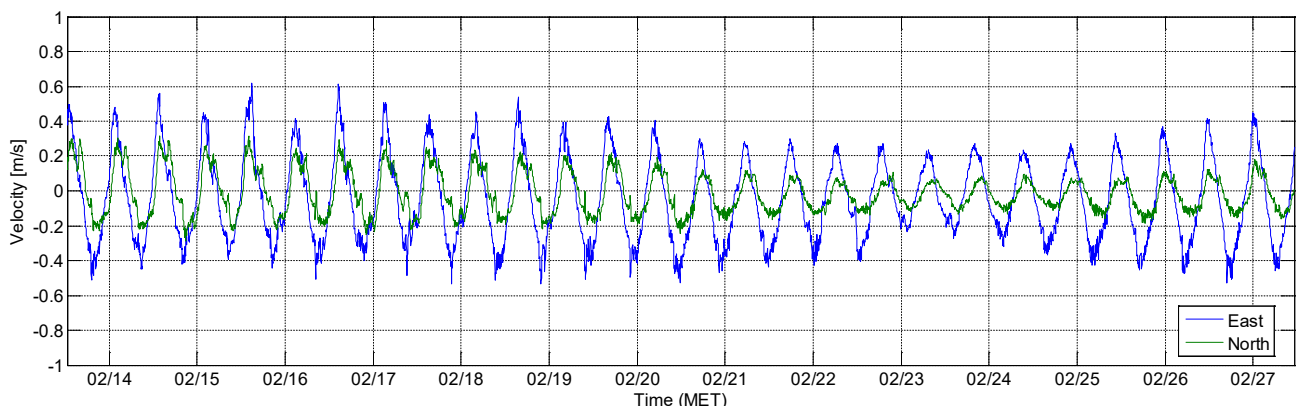


Figure 293 - Tripod deployment MOW1 (ADV): February 2006 - Flow decomposed along the estimated major axis (67°N) [m/s] at 0.28m

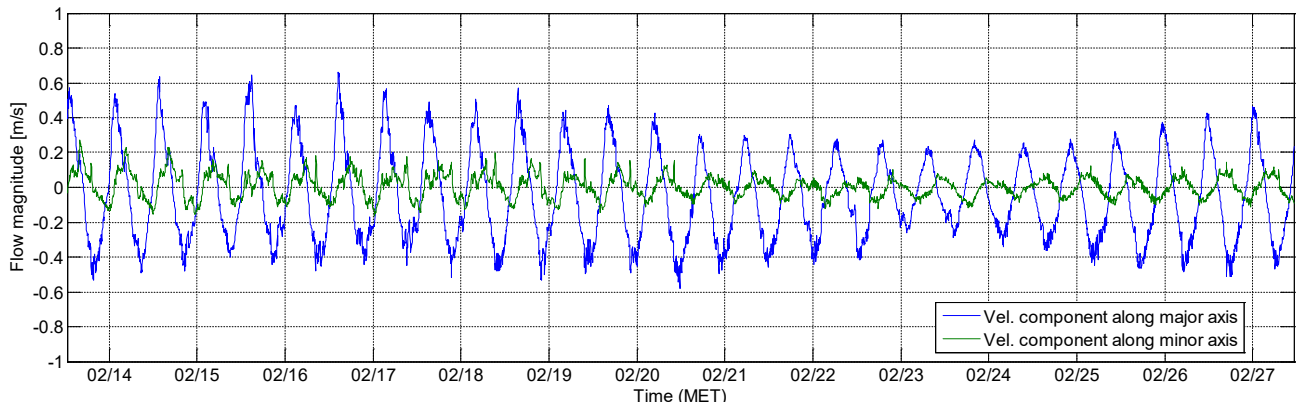


Figure 294 - Tripod deployment MOW1 (ADV): February 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=68.2°, dev=2.78°

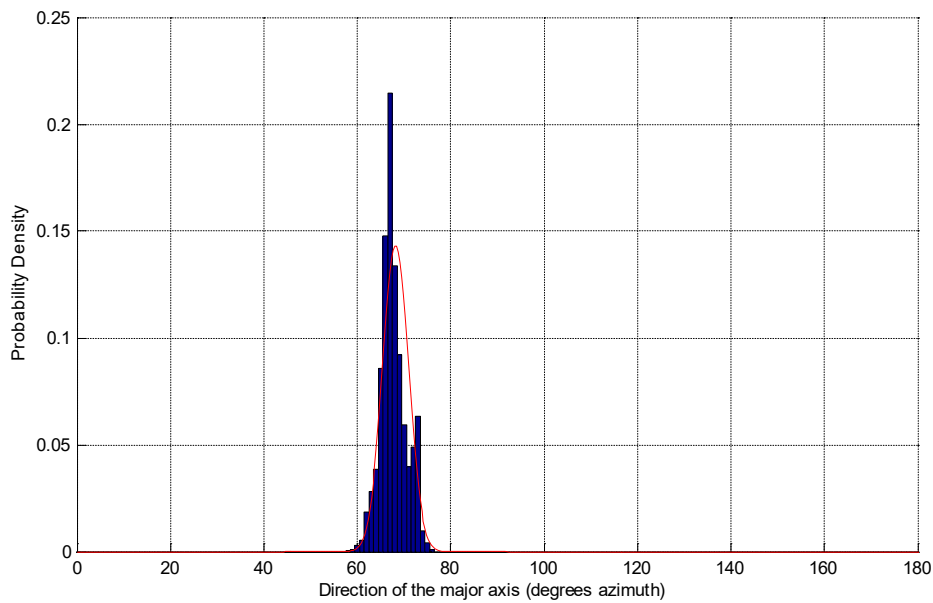
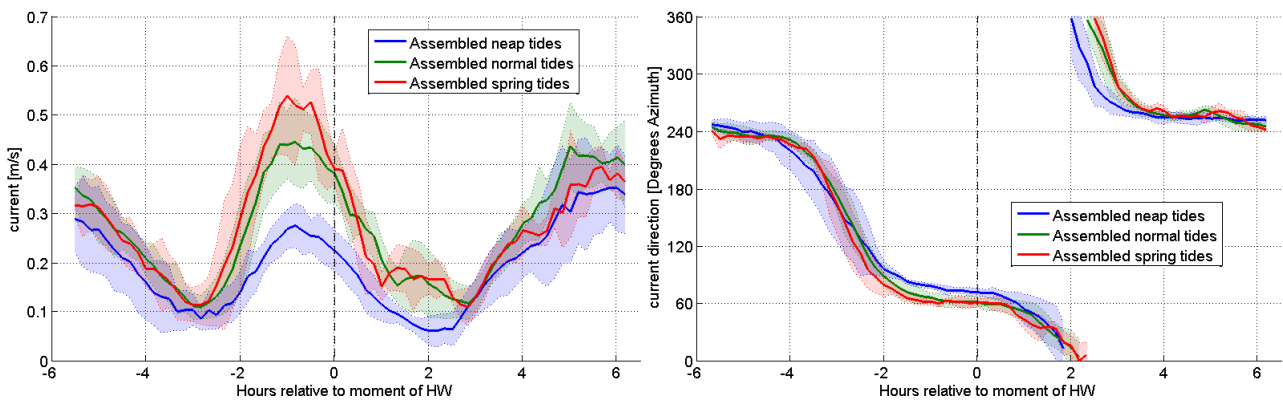


Figure 295 - Tripod deployment MOW1 (ADV): 13/02/2006 - 27/02/2006 _ Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.3mab



E.2.6 Tripod deployment MOW1 (ADV): May - June 2006

Figure 296 - Tripod deployment MOW1 (ADV): May - June 2006 - UV-diagram with tidal ellipse [m/s] at 0.17mab derived through tidal analyses (30 constituents)

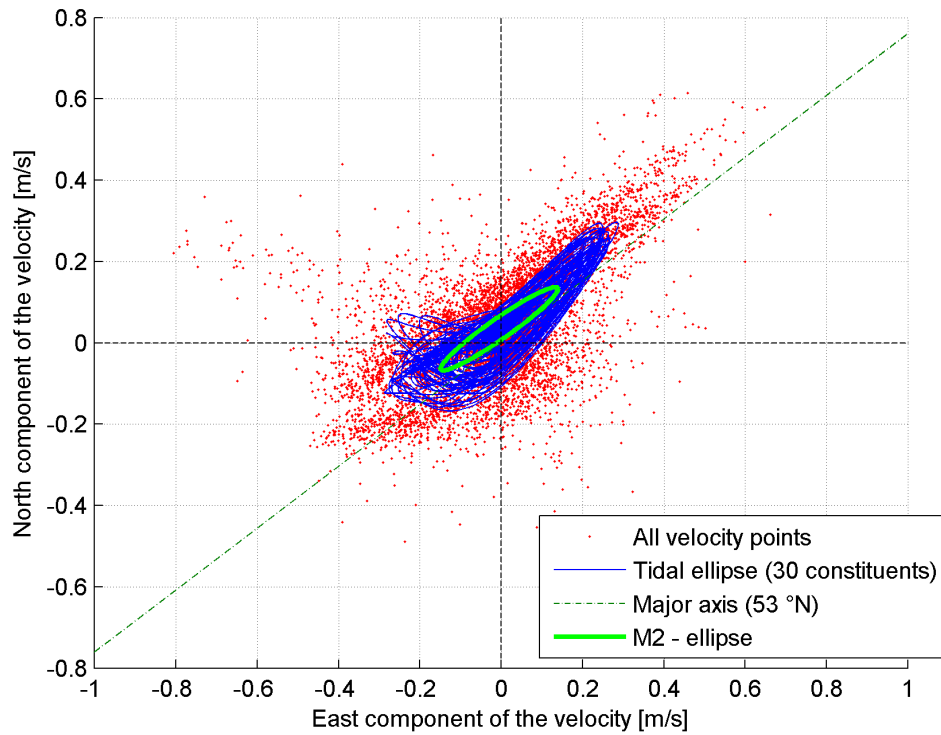


Figure 297 - Tripod deployment MOW1 (ADV): May - June 2006 - East and North velocity components [m/s] at 0.17mab

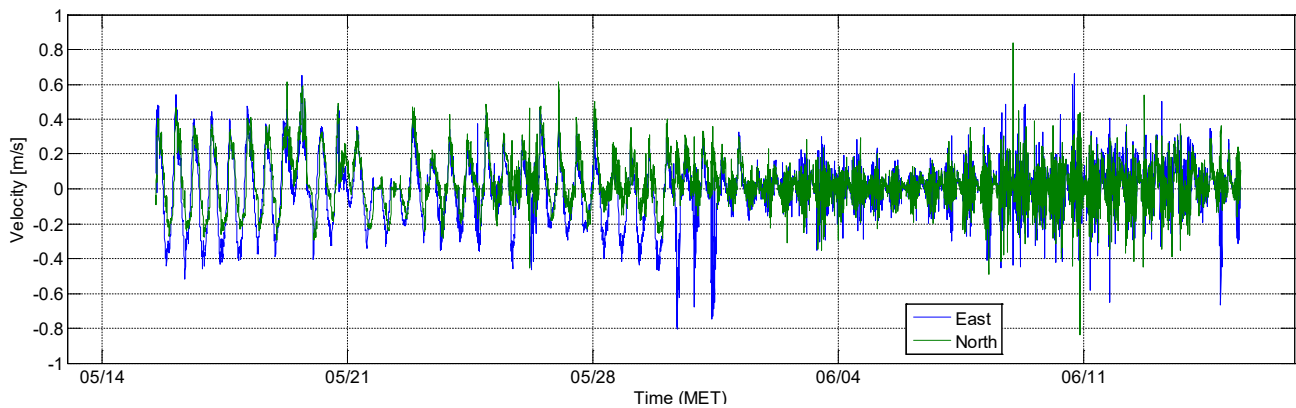


Figure 298 - Tripod deployment MOW1 (ADV): May - June 2006 - Flow decomposed along the estimated major axis (53°N) [m/s] at 0.17mab

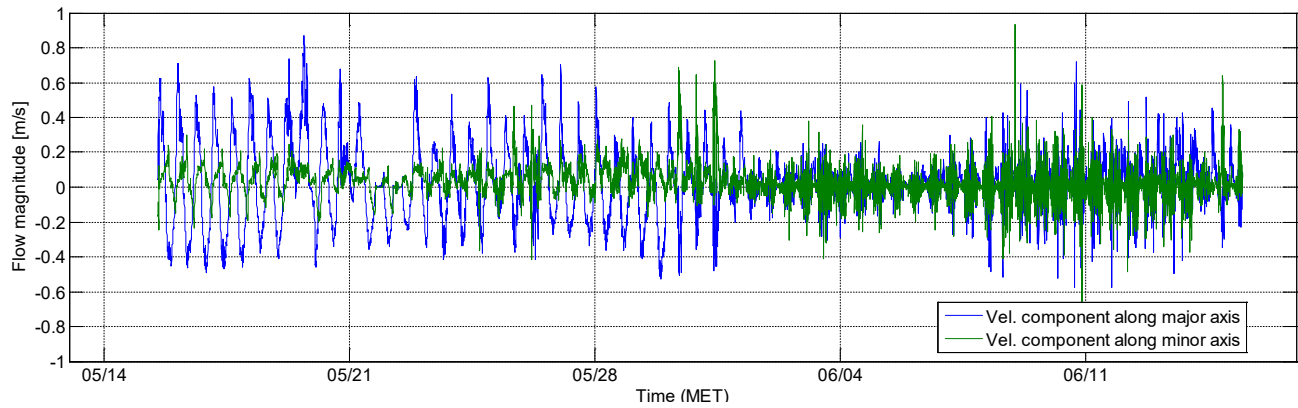
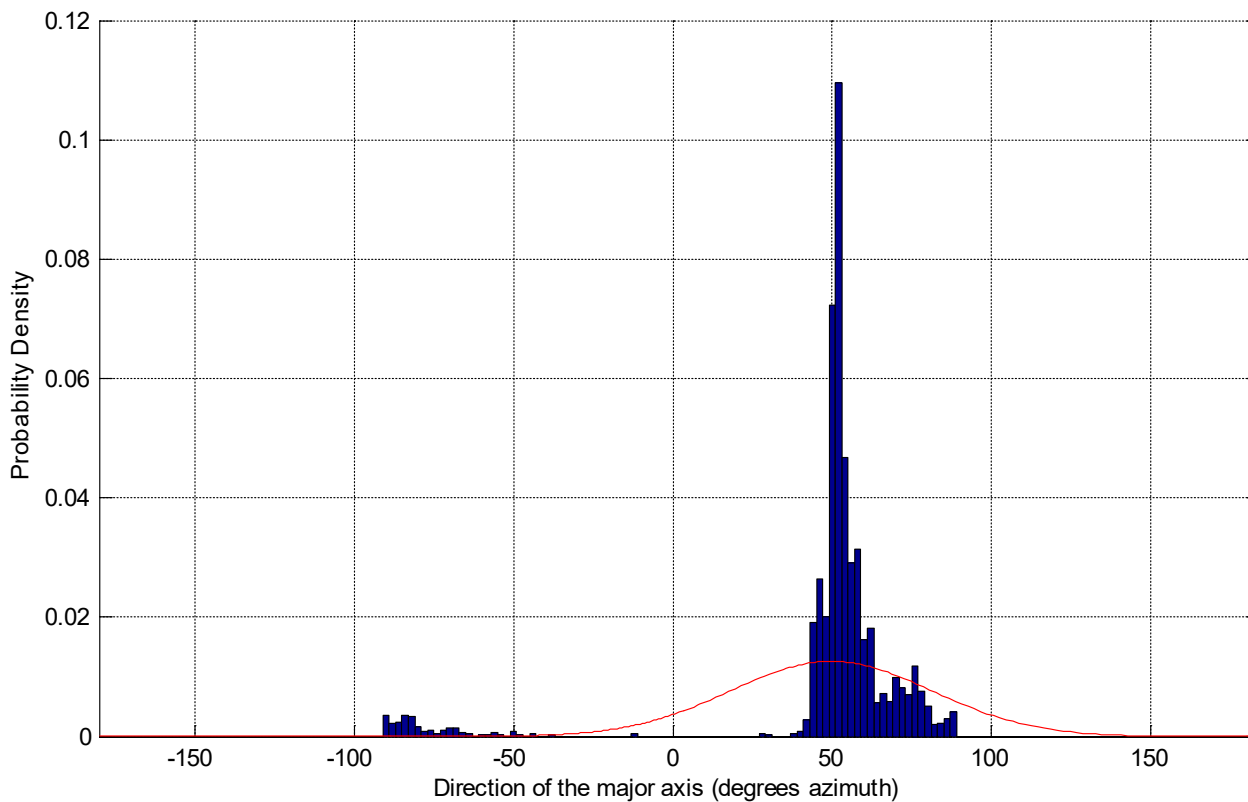


Figure 299 - Tripod deployment MOW1 (ADV): May - June 2006 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=49.8°, dev=31.64°



E.2.7 Tripod deployment MOW1 (ADV): July 2007

Figure 300 - Tripod deployment MOW1 (ADV): July 2007 - UV-diagram with tidal ellipse
[m/s] at 0.23mab derived through tidal analyses (10 constituents)

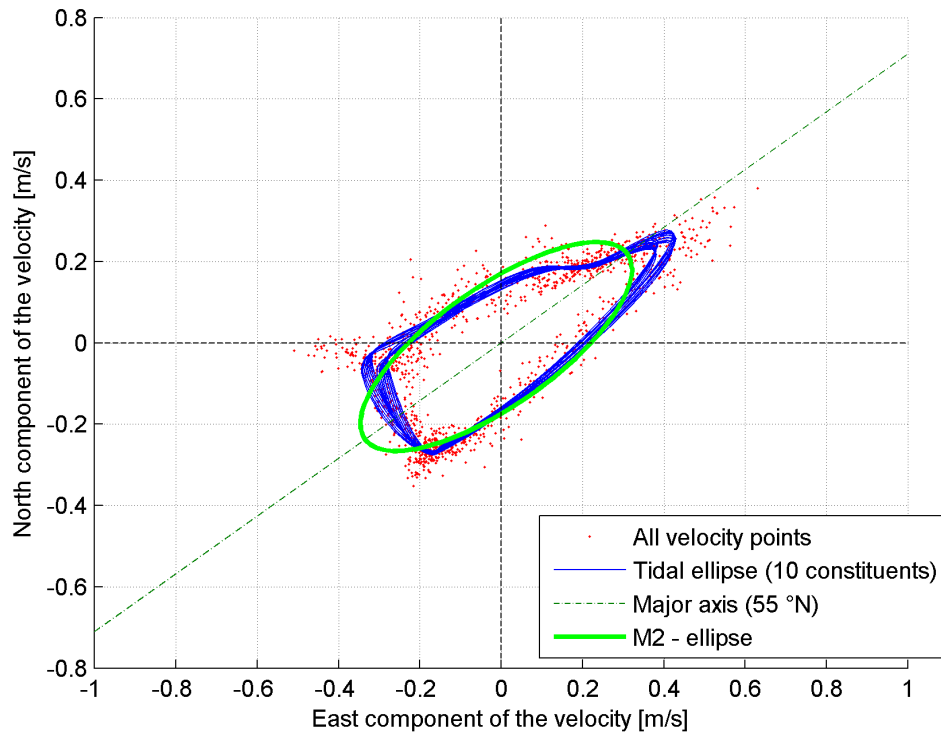


Figure 301 - Tripod deployment MOW1 (ADV): July 2007 - East and North velocity components
[m/s] at 0.23mab

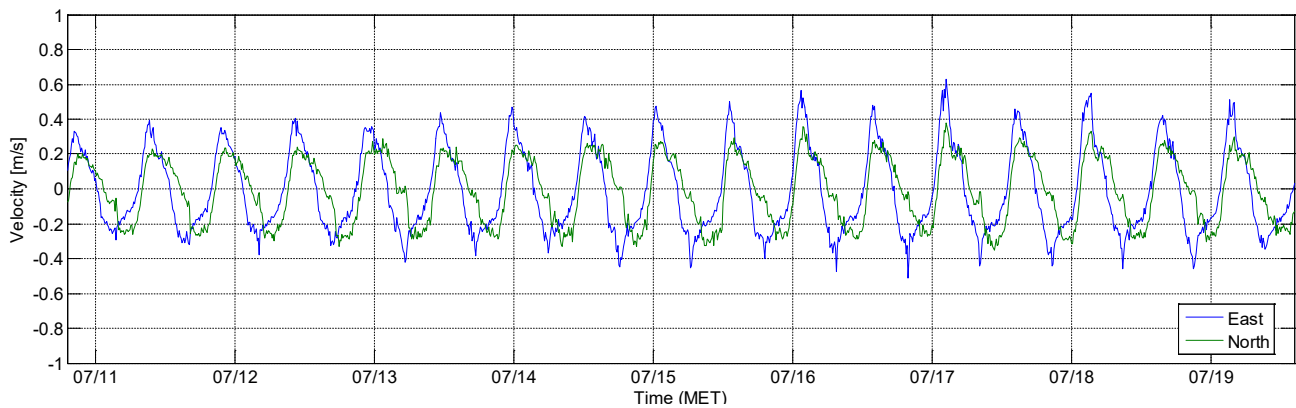


Figure 302 - Tripod deployment MOW1 (ADV): July 2007 - Flow decomposed along the estimated major axis (55°N) [m/s] at 0.23mab

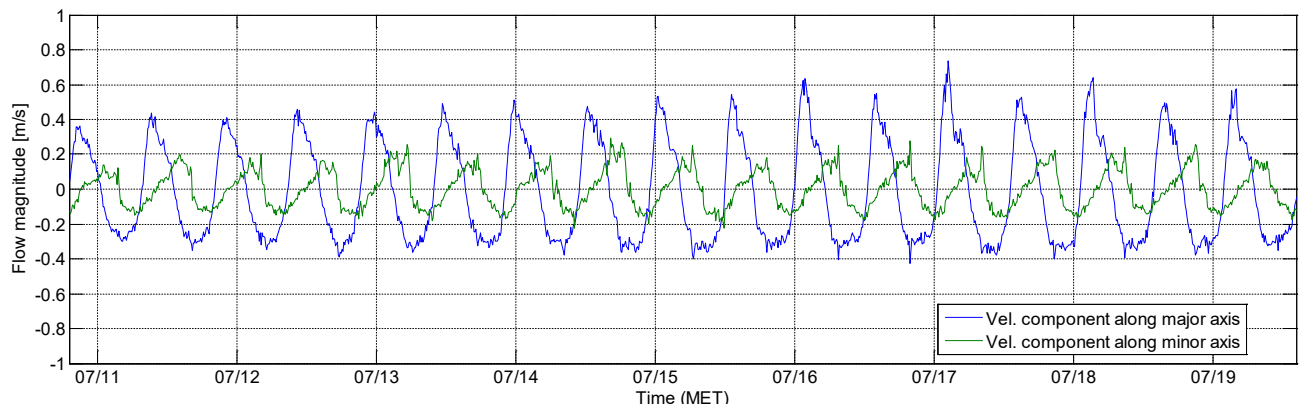
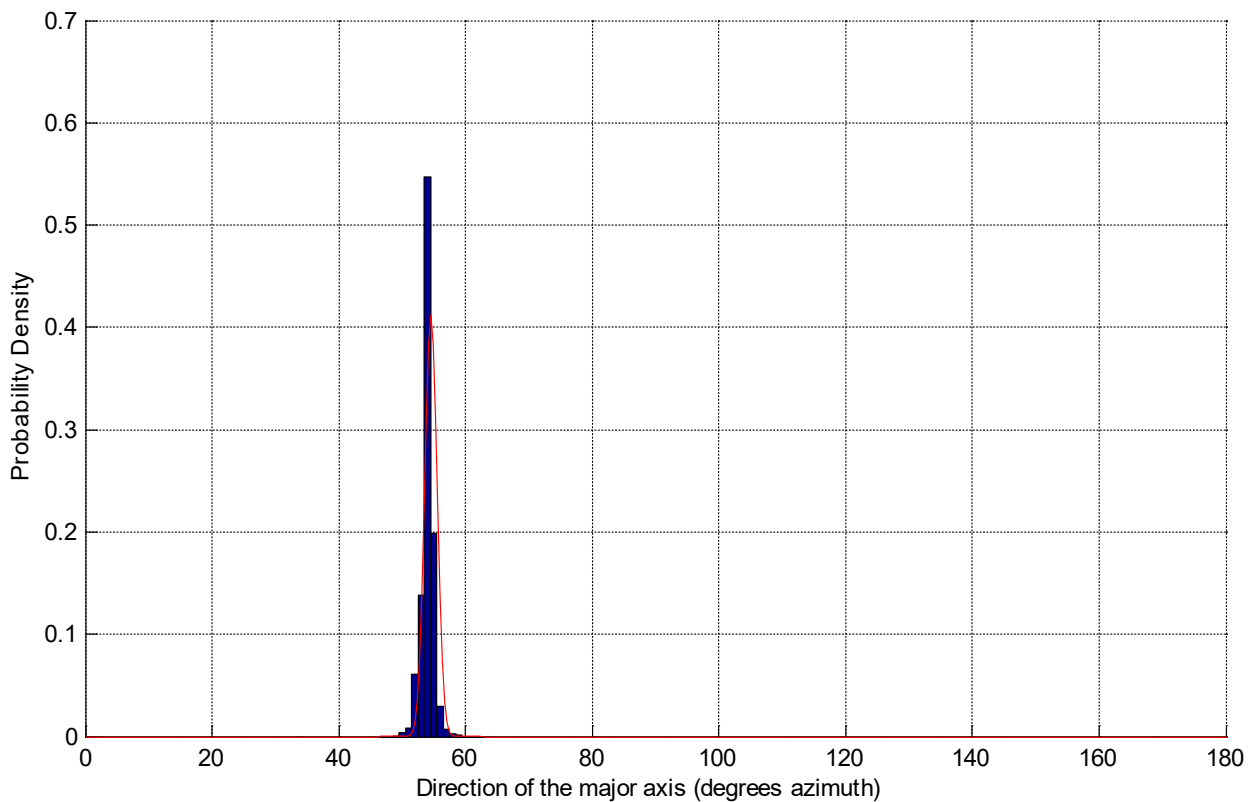


Figure 303 - Tripod deployment MOW1 (ADV): July 2007 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=54.5°, dev=0.97°



E.2.8 Tripod deployment MOW1 (ADV): October - November 2007

Figure 304 - Tripod deployment MOW1 (ADV): October - November 2007 - UV-diagram with tidal ellipse [m/s] at 0.15mab derived through tidal analyses (36 constituents)

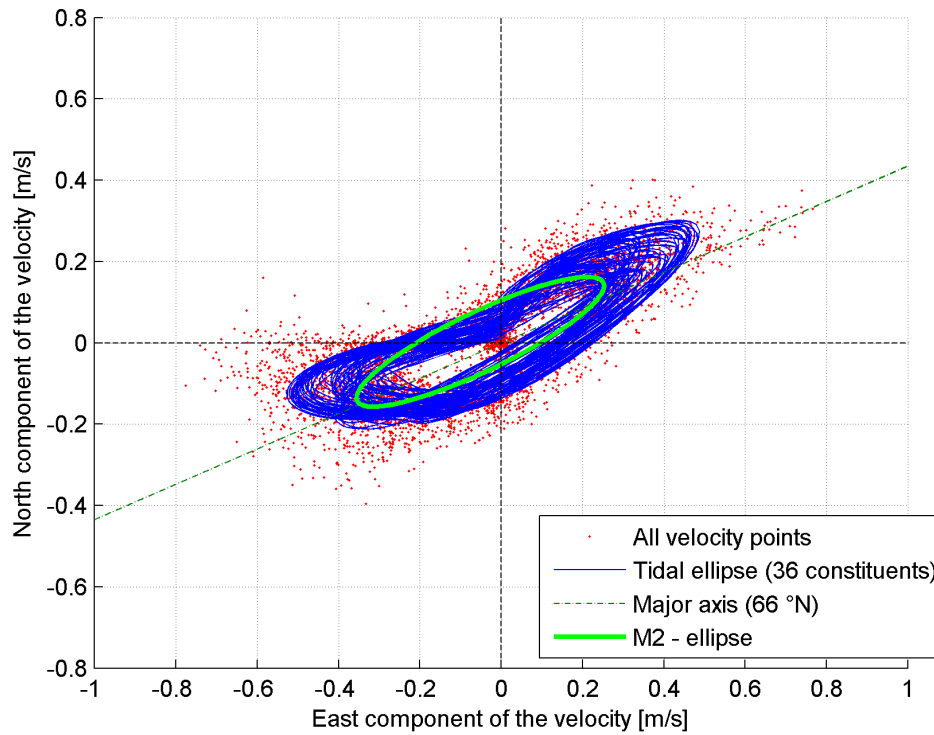


Figure 305 - Tripod deployment MOW1 (ADV): October - November 2007 - East and North velocity components [m/s] at 0.15mab

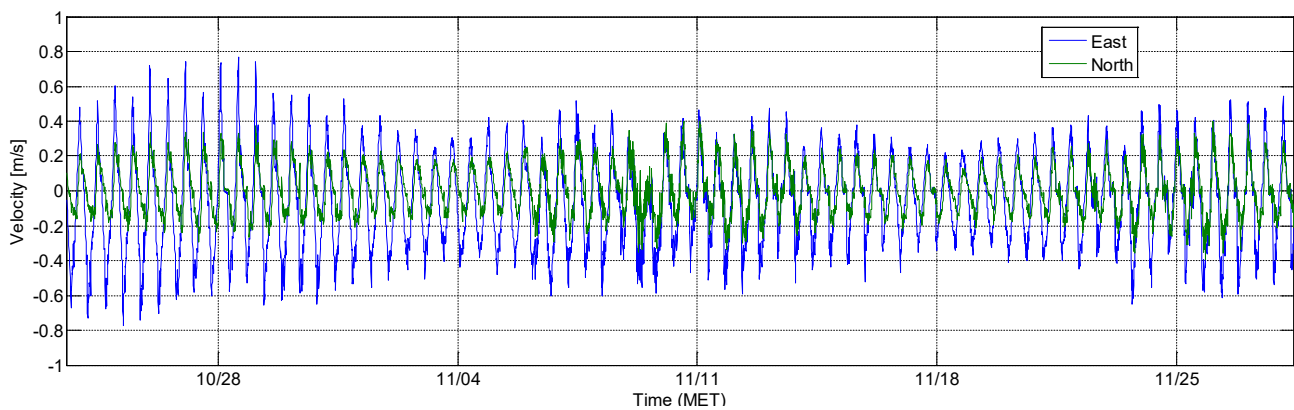


Figure 306 - Tripod deployment MOW1 (ADV): October - November 2007 - Flow decomposed along the estimated major axis (66°N) [m/s] at 0.15mab

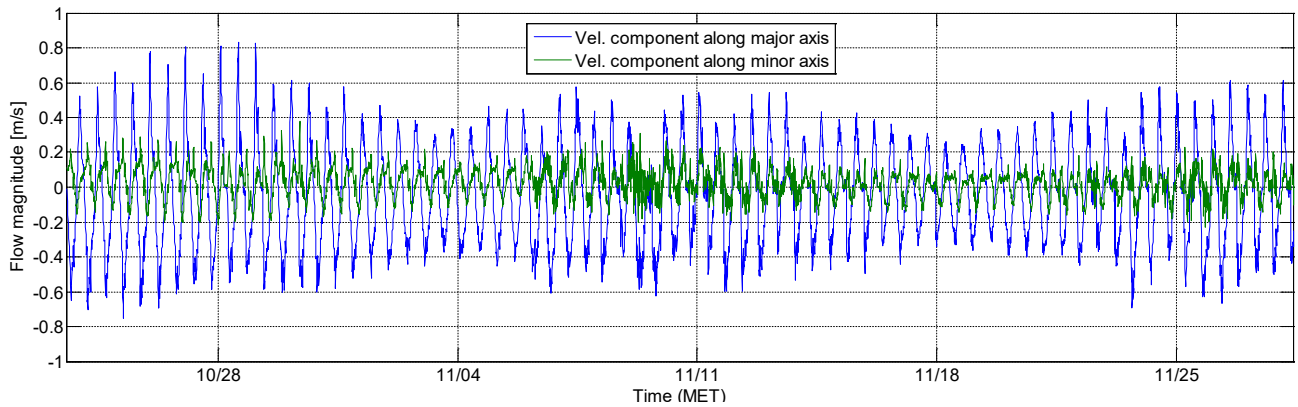


Figure 307 - Tripod deployment MOW1 (ADV): October - November 2007 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.1°, dev=2.94°

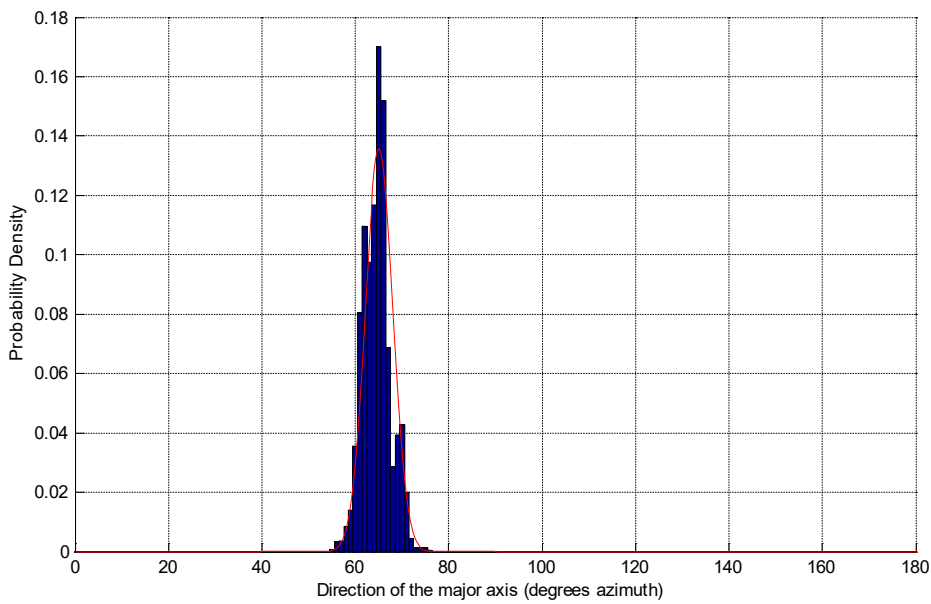
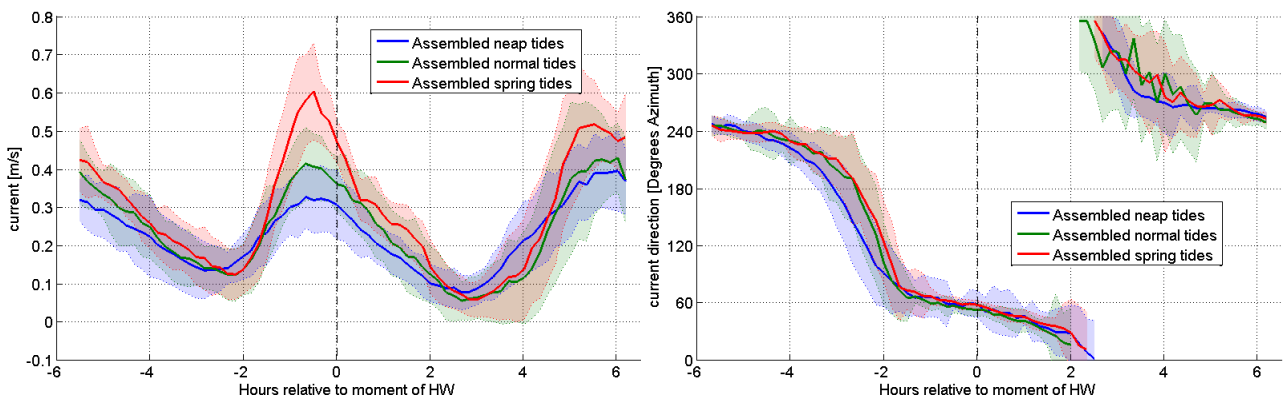


Figure 308 - Tripod deployment MOW1 (ADV): 23/10/2007 - 28/11/2007 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.15mab



E.2.9 Tripod deployment MOW1 (ADV): February - March 2009

Figure 309 - Tripod deployment MOW1 (ADV): February - March 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

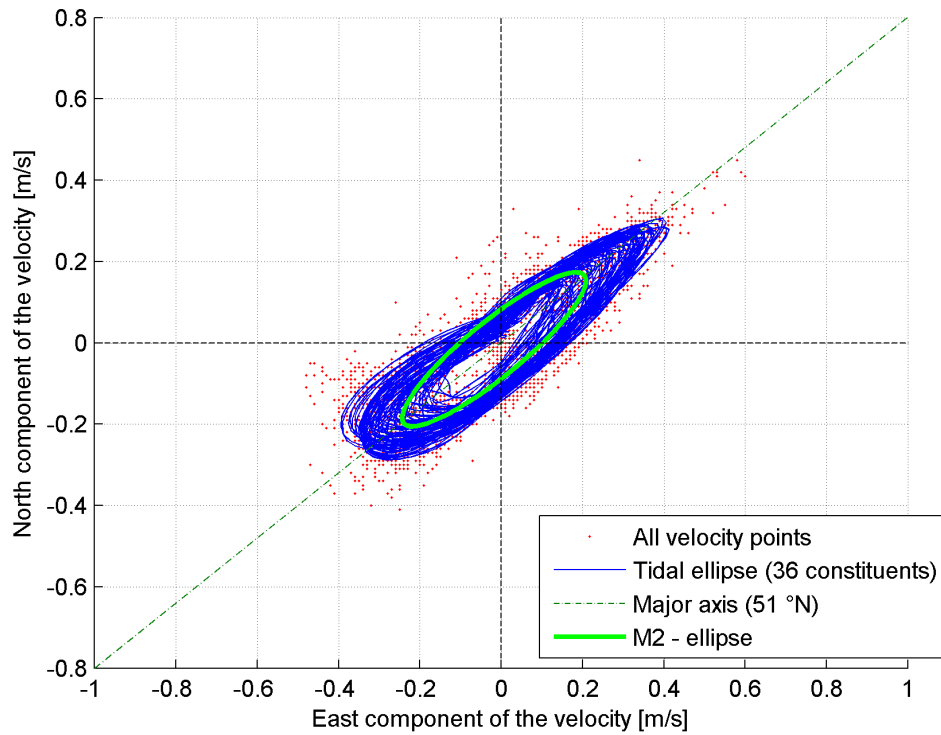


Figure 310 - Tripod deployment MOW1 (ADV): February - March 2009 - East and North velocity components [m/s] at 0.18mab

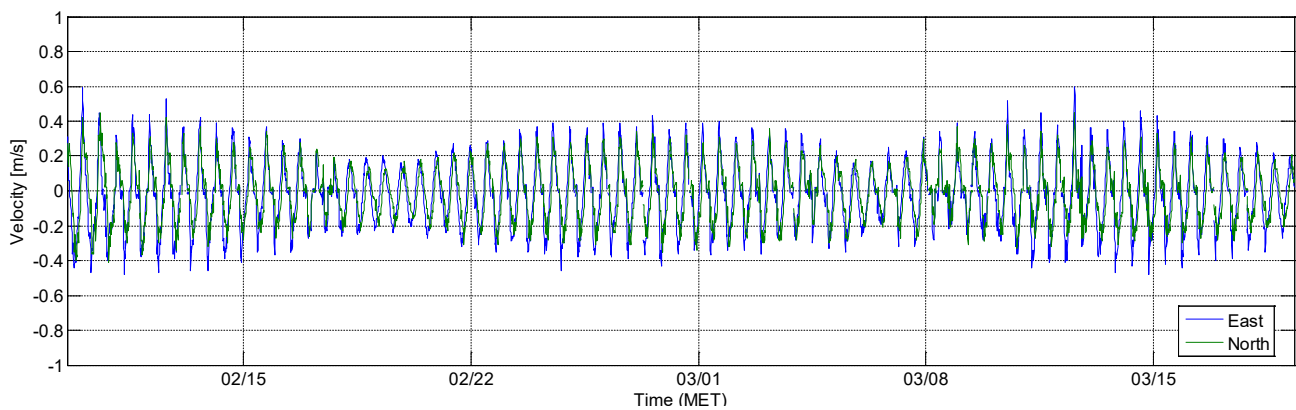


Figure 311 - Tripod deployment MOW1 (ADV): February - March 2009 - Flow decomposed along the estimated major axis (51°N) [m/s] at 0.18mab

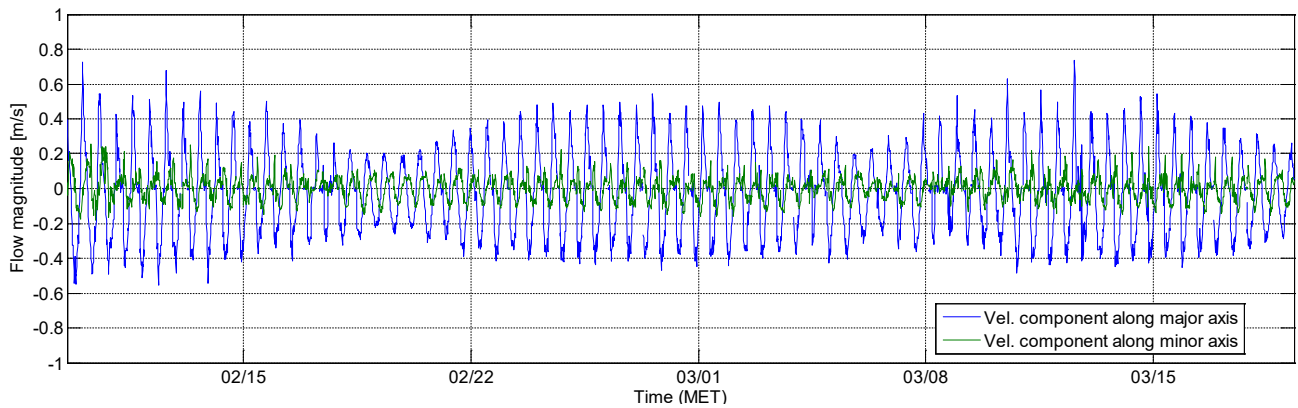


Figure 312 - Tripod deployment MOW1 (ADV): February - March 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=51.6°, dev=1.75°

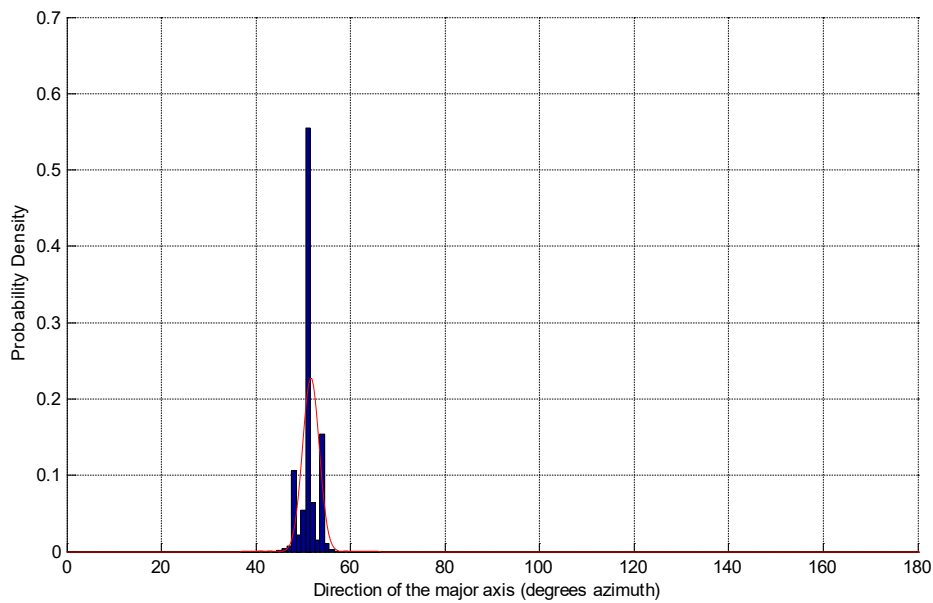
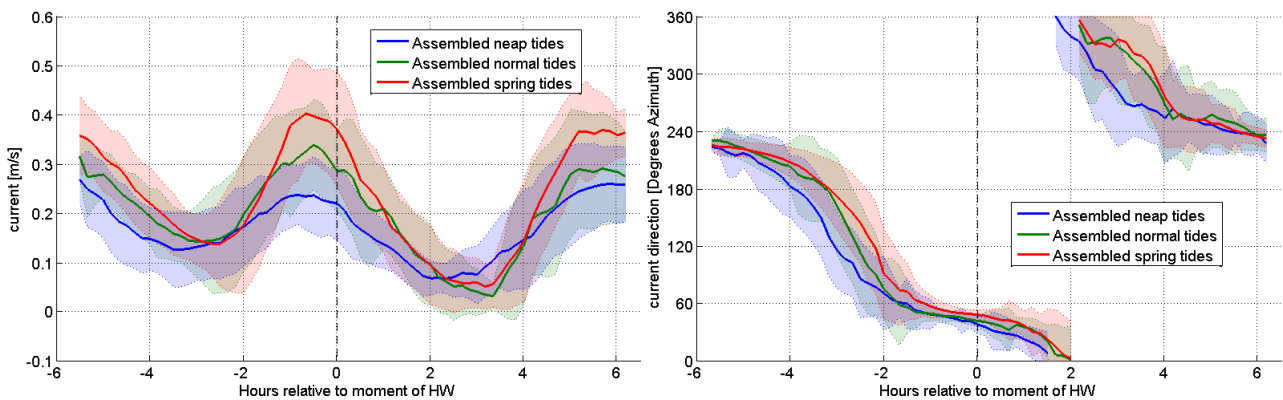


Figure 313 - Tripod deployment MOW1 (ADV): 09/02/2009 - 19/03/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.10 Tripod deployment MOW1 (ADV): March - April 2009

Figure 314 - Tripod deployment MOW1 (ADV): March - April 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

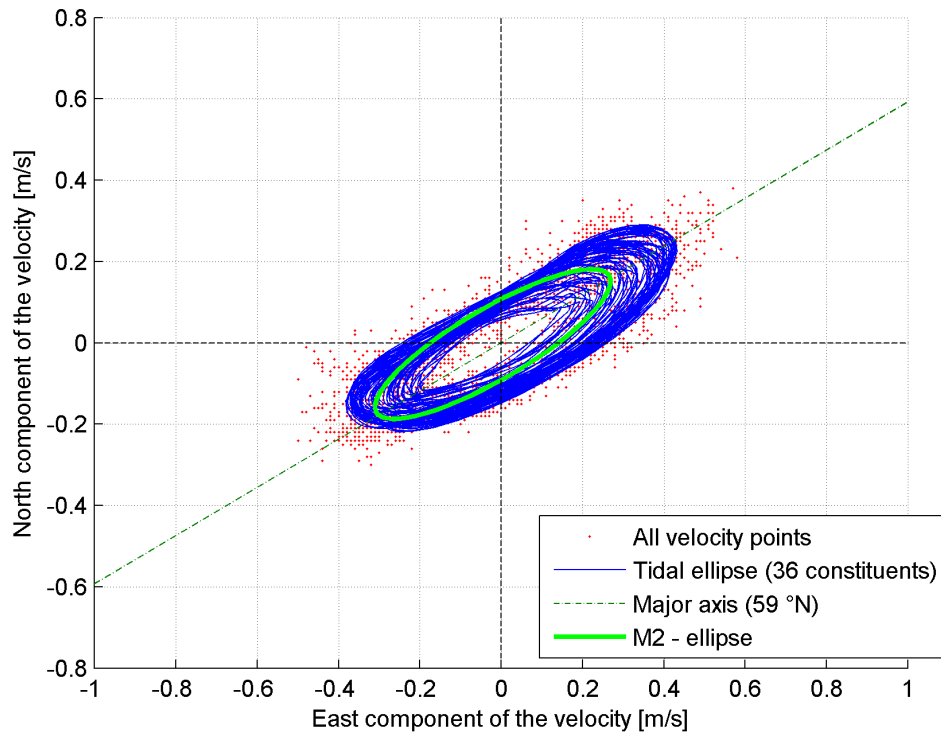


Figure 315 - Tripod deployment MOW1 (ADV): March - April 2009 - East and North velocity components [m/s] at 0.18mab

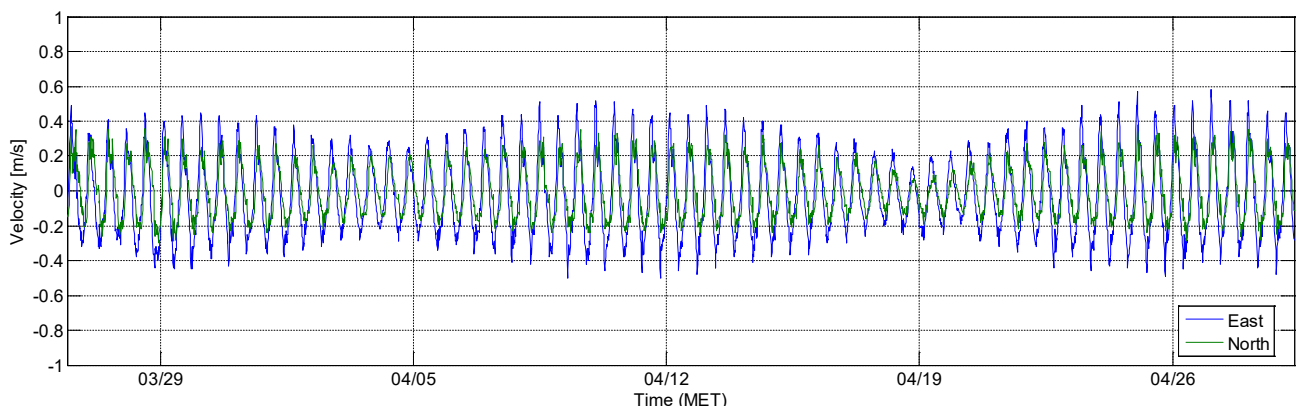


Figure 316 - Tripod deployment MOW1 (ADV): March - April 2009 - Flow decomposed along the estimated major axis (59°N) [m/s] at 0.18mab

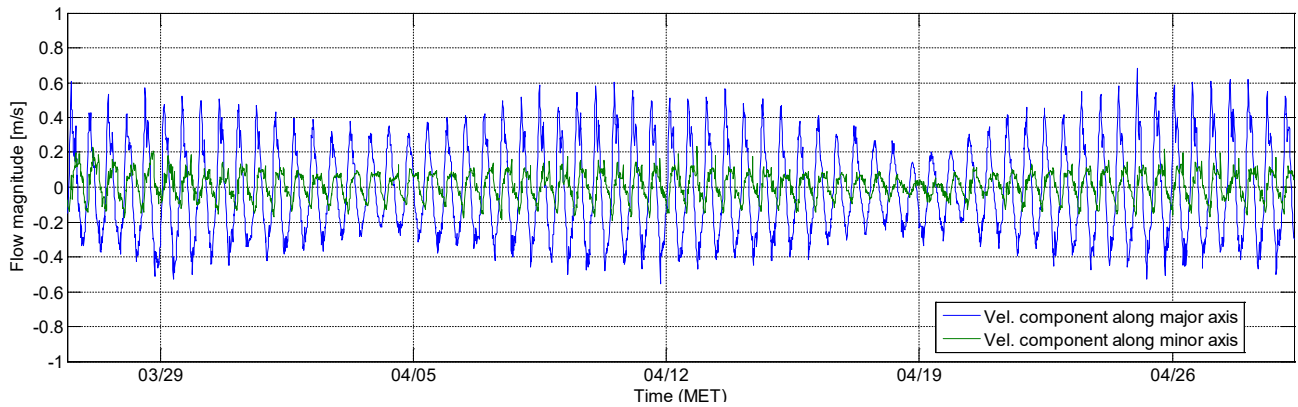


Figure 317 - Tripod deployment MOW1 (ADV): March - April 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=59.8°, dev=0.65°

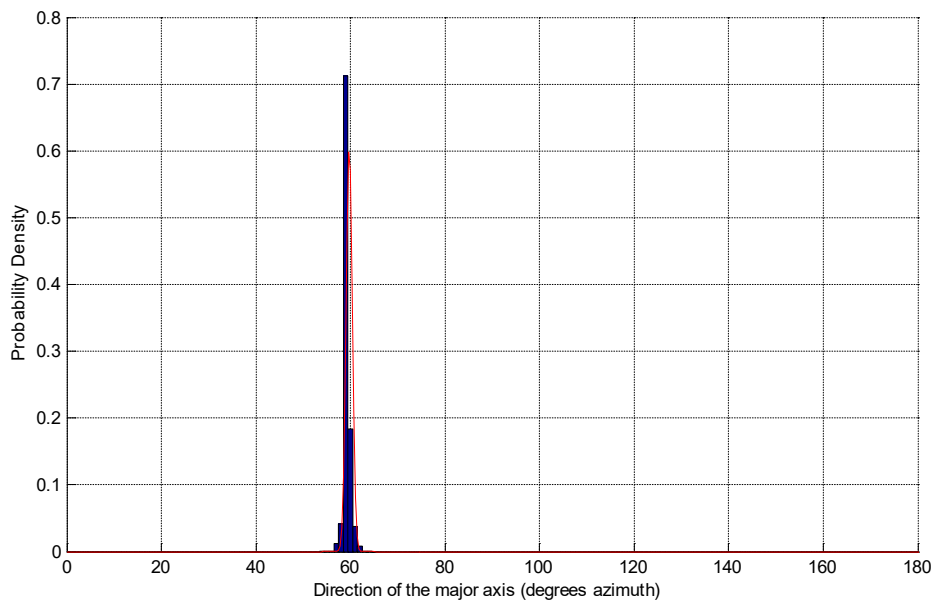
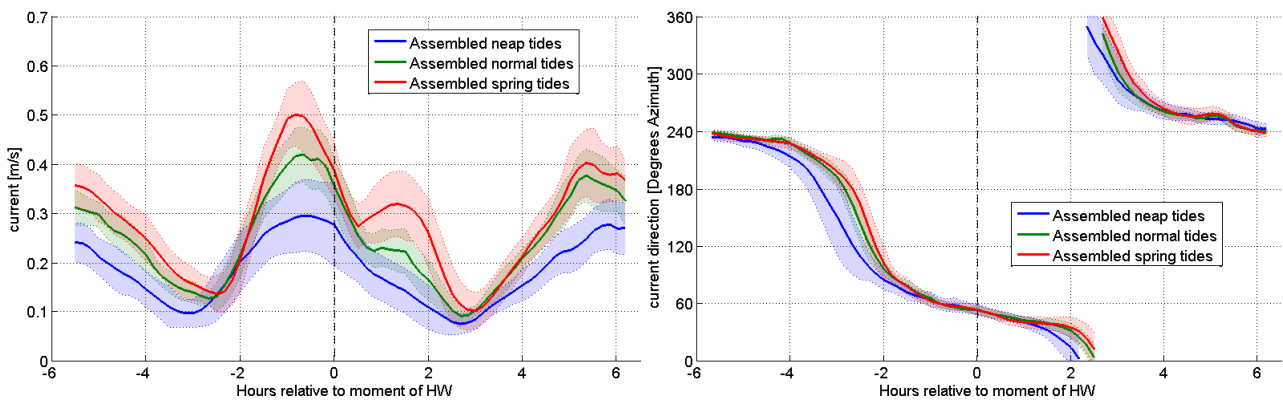


Figure 318 - Tripod deployment MOW1 (ADV): 26/03/2009 - 29/04/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.11 Tripod deployment MOW1 (ADV): September - October 2009

Figure 319 - Tripod deployment MOW1 (ADV): September - October 2009 - UV-diagram with tidal ellipse
[m/s] at 0.18mab derived through tidal analyses (9 constituents)

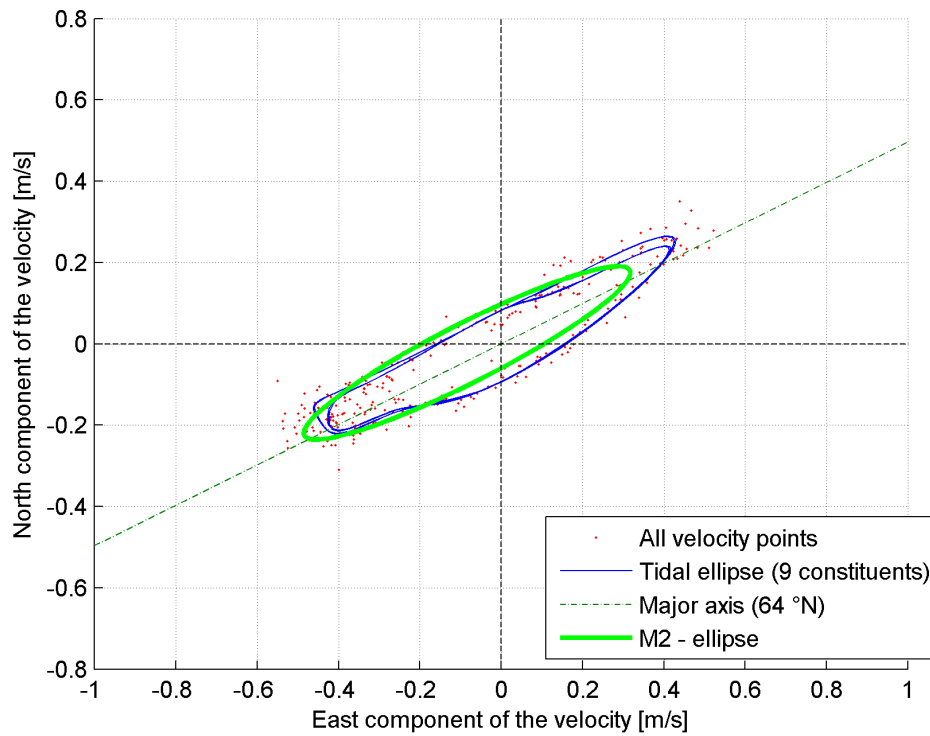


Figure 320 - Tripod deployment MOW1 (ADV): September - October 2009 - East and North velocity components
[m/s] at 0.18mab

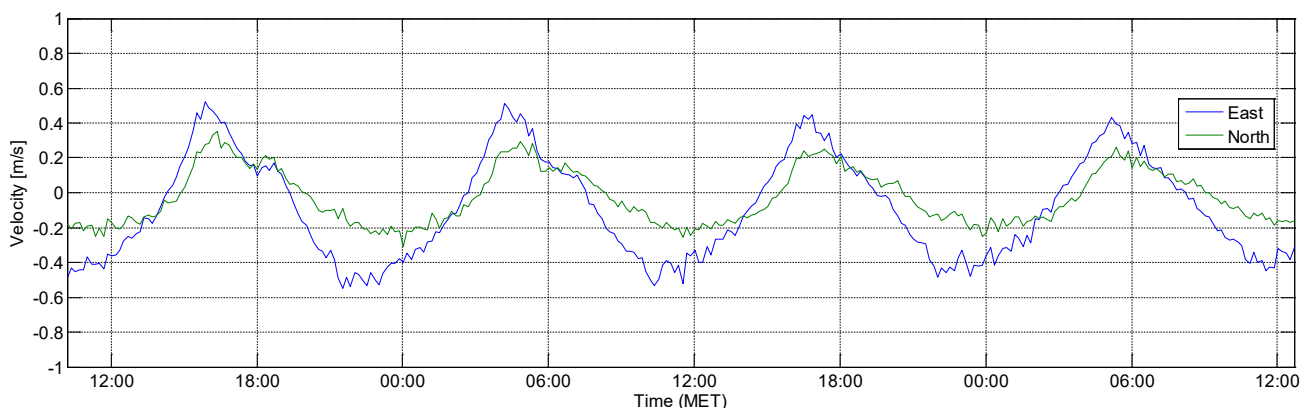


Figure 321 - Tripod deployment MOW1 (ADV): September - October 2009 - Flow decomposed along the estimated major axis (64°N) [m/s] at 0.18mab

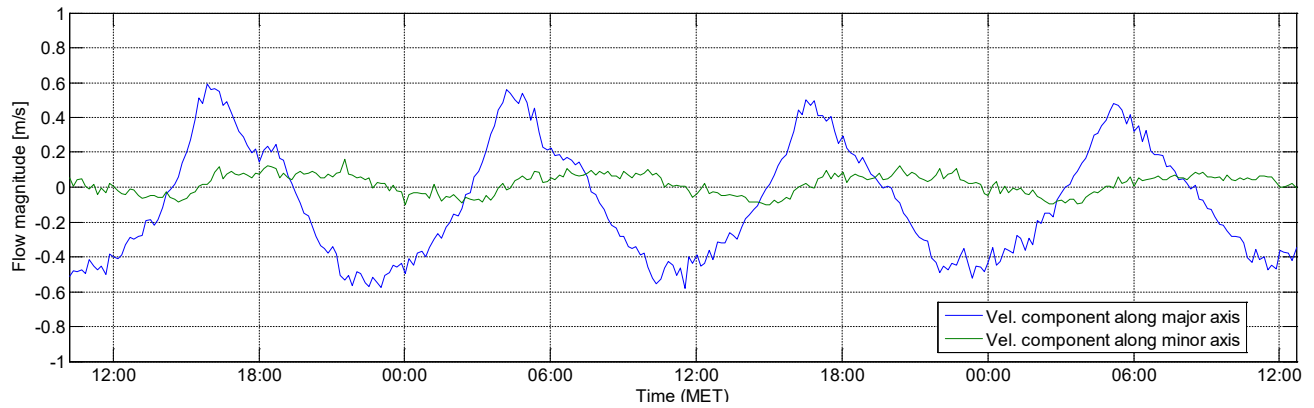
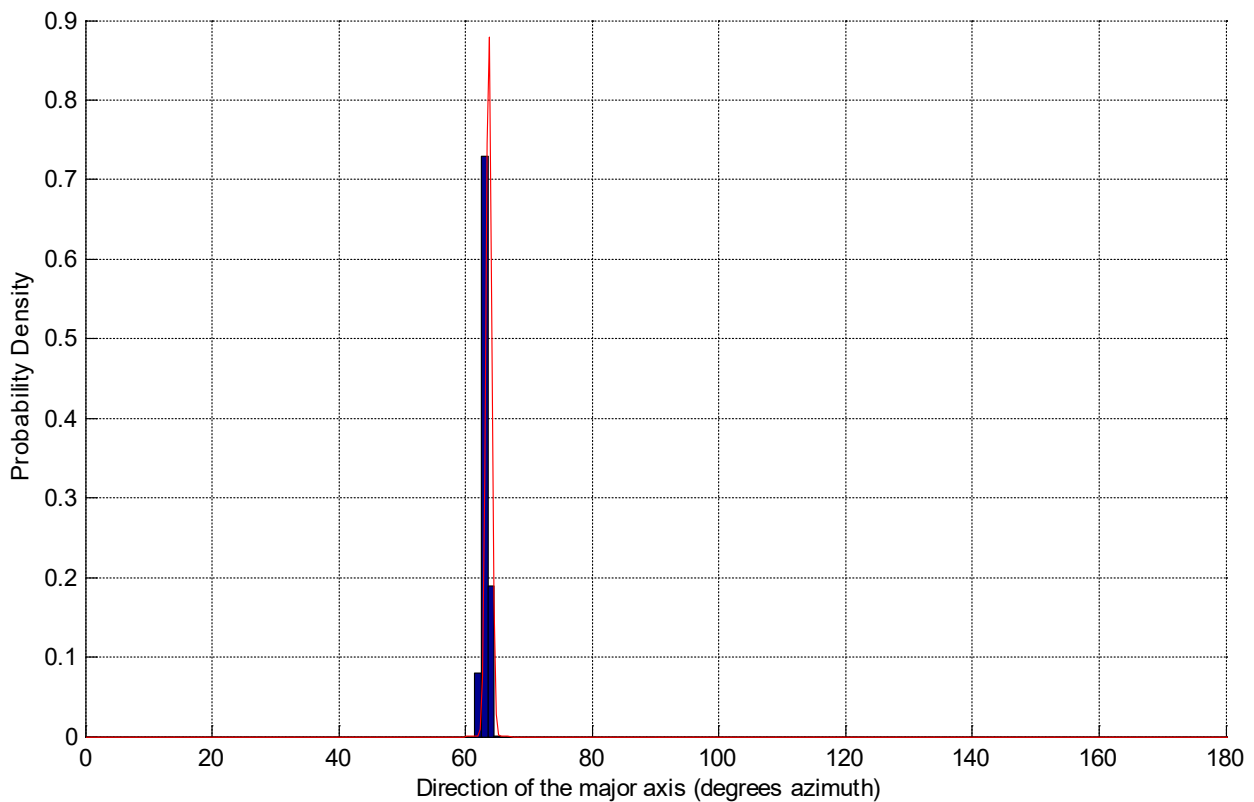


Figure 322 - Tripod deployment MOW1 (ADV): September - October 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.6°, dev=0.44°



E.2.12 Tripod deployment MOW1 (ADV): November - December 2009

Figure 323 - Tripod deployment MOW1 (ADV): November - December 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

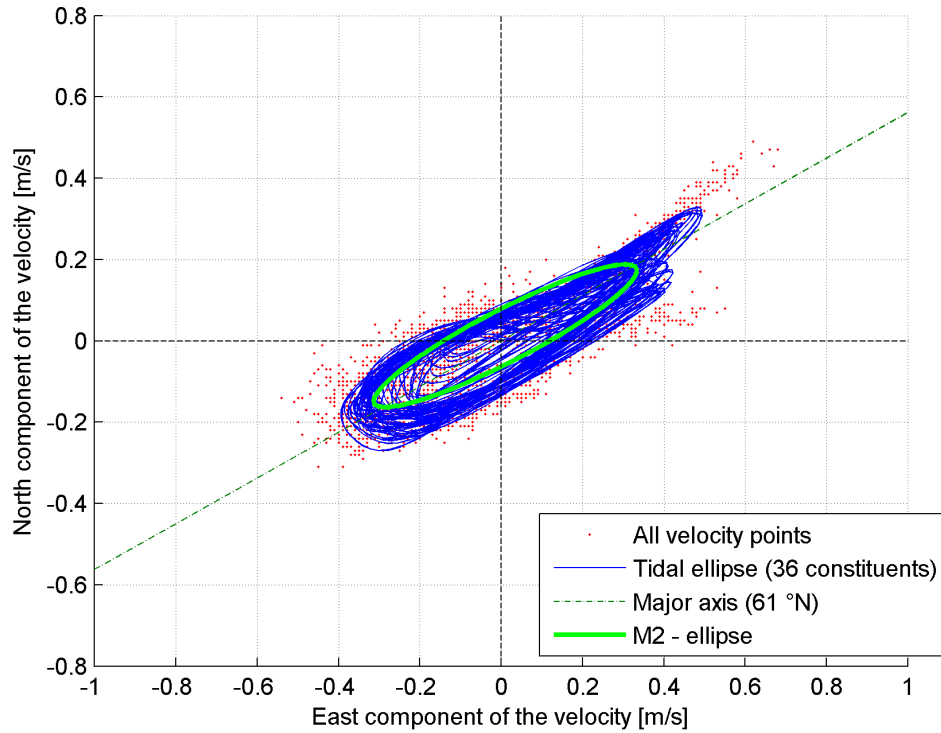


Figure 324 - Tripod deployment MOW1 (ADV): November - December 2009 - East and North velocity components [m/s] at 0.18mab

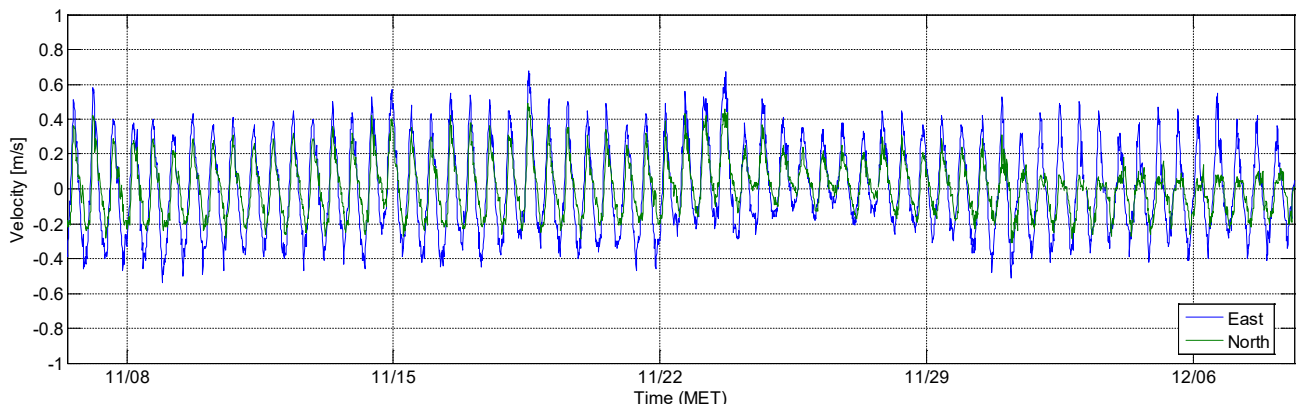


Figure 325 - Tripod deployment MOW1 (ADV): November - December 2009 - Flow decomposed along the estimated major axis (61°N) [m/s] at 0.18mab

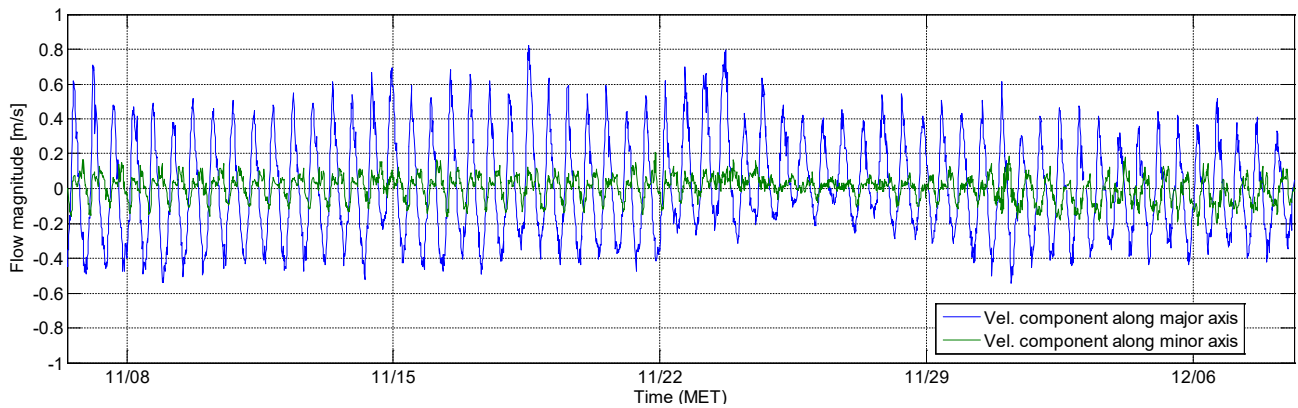


Figure 326 - Tripod deployment MOW1 (ADV): November - December 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=59.6°, dev=2.50°

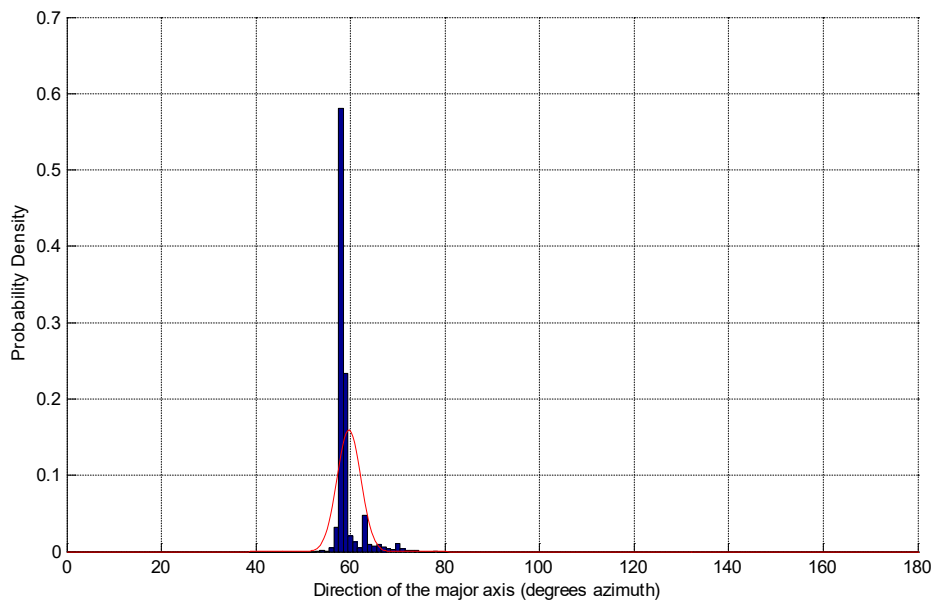
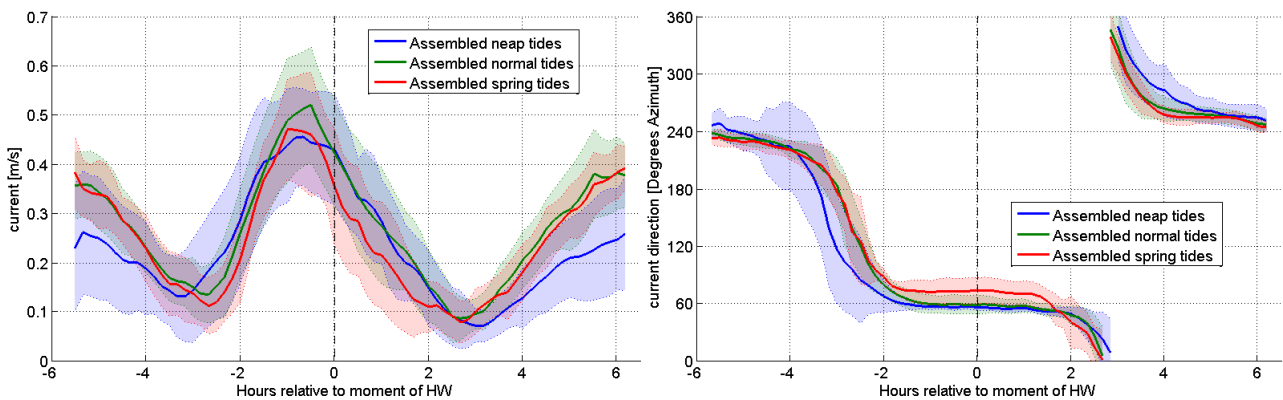


Figure 327 - Tripod deployment MOW1 (ADV): 06/11/2009 - 08/12/2009 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.13 Tripod deployment MOW1 (ADV): December 2009 - January 2010

Figure 328 - Tripod deployment MOW1 (ADV): December 2009 - January 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

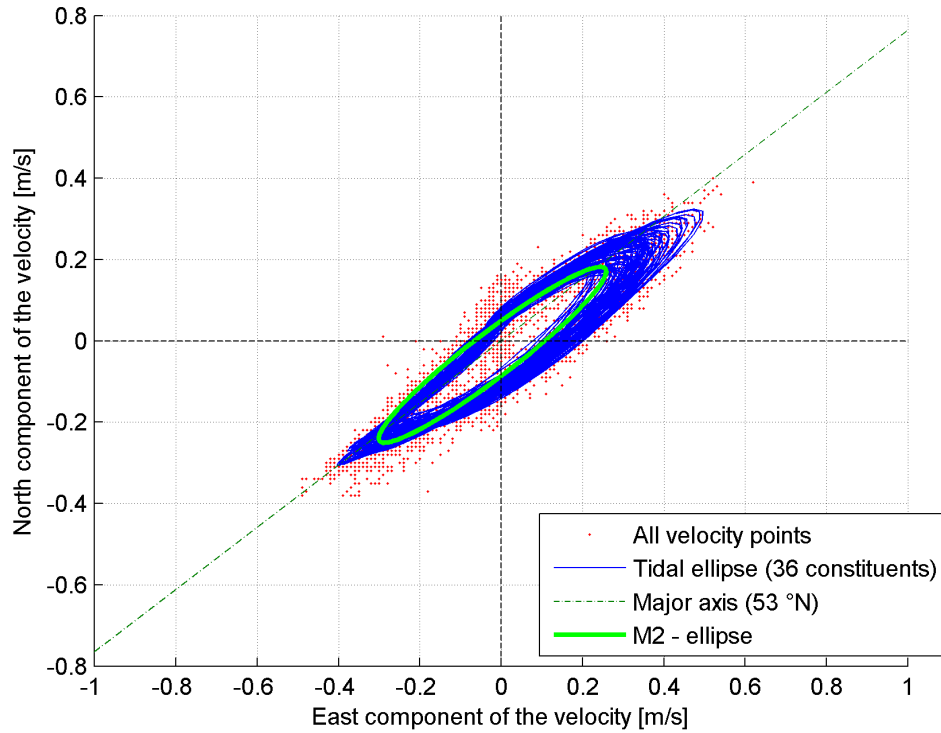


Figure 329 - Tripod deployment MOW1 (ADV): December 2009 - January 2010 - East and North velocity components [m/s] at 0.18mab

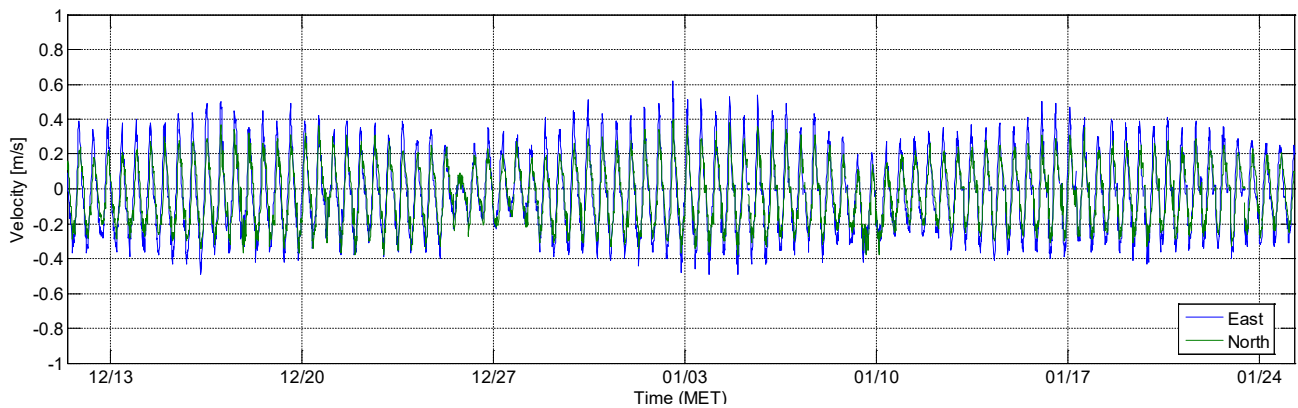


Figure 330 - Tripod deployment MOW1 (ADV): December 2009 - January 2010 - Flow decomposed along the estimated major axis (53°N) [m/s] at 0.18mab

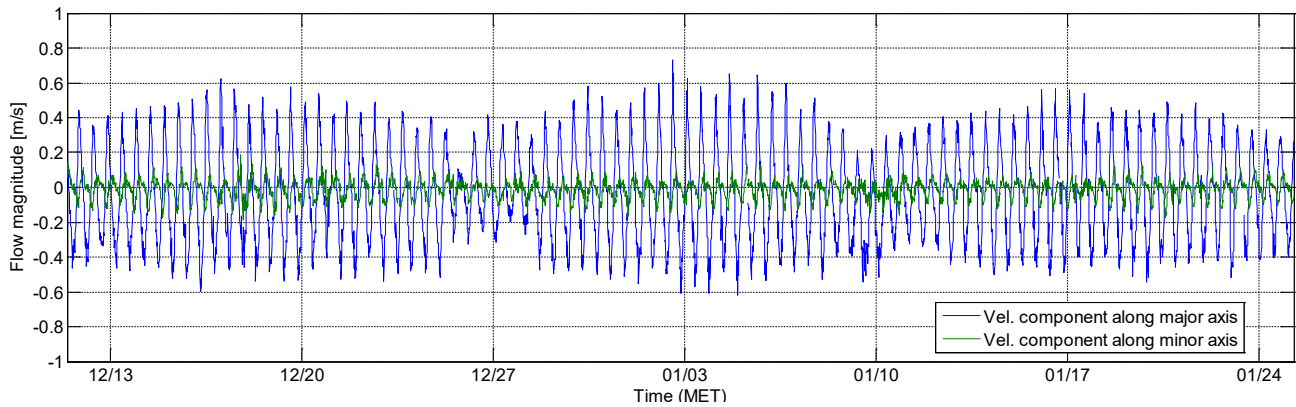


Figure 331 - Tripod deployment MOW1 (ADV): December 2009 - January 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=52.1°, dev=1.31°

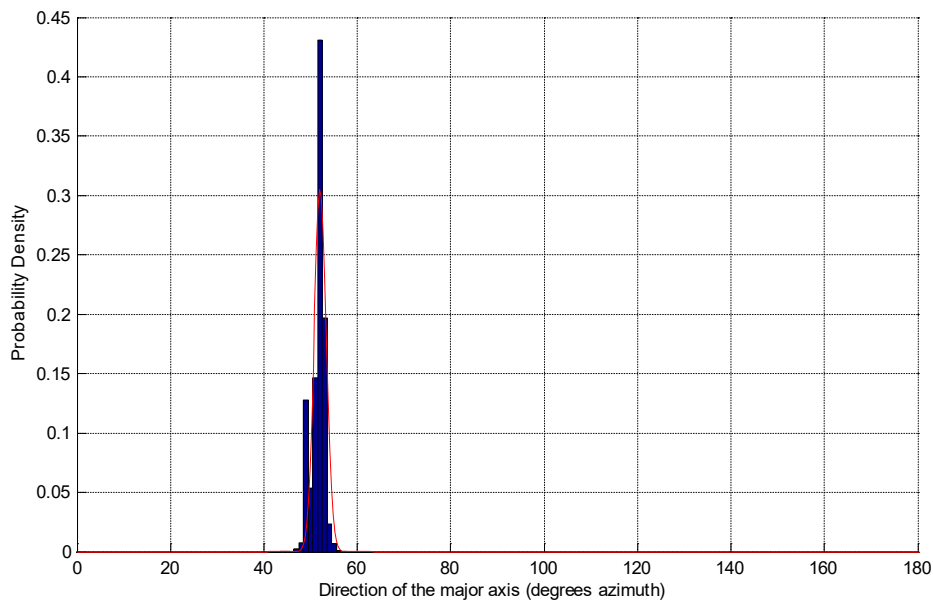
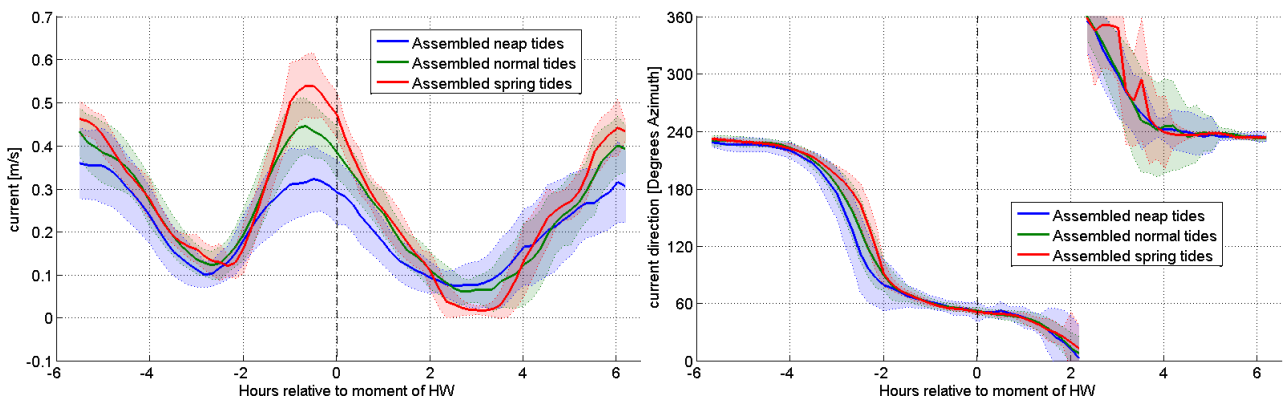


Figure 332 - Tripod deployment MOW1 (ADV): 11/12/2009 - 25/01/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.14 Tripod deployment MOW1 (ADV): January - March 2010

Figure 333 - Tripod deployment MOW1 (ADV): January - March 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

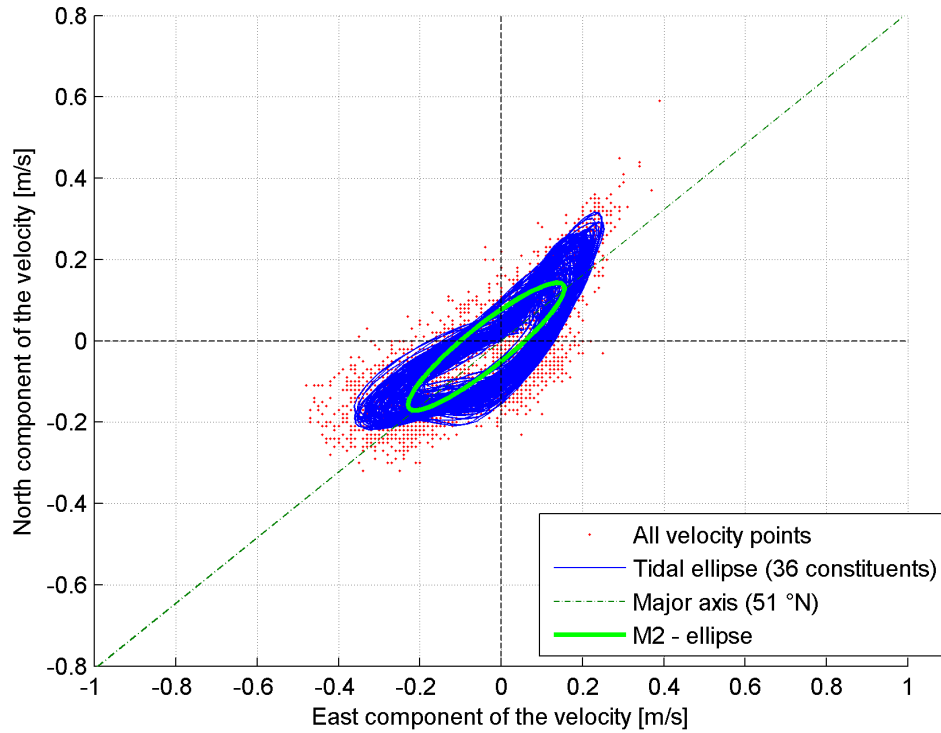


Figure 334 - Tripod deployment MOW1 (ADV): January - March 2010 - East and North velocity components [m/s] at 0.18mab

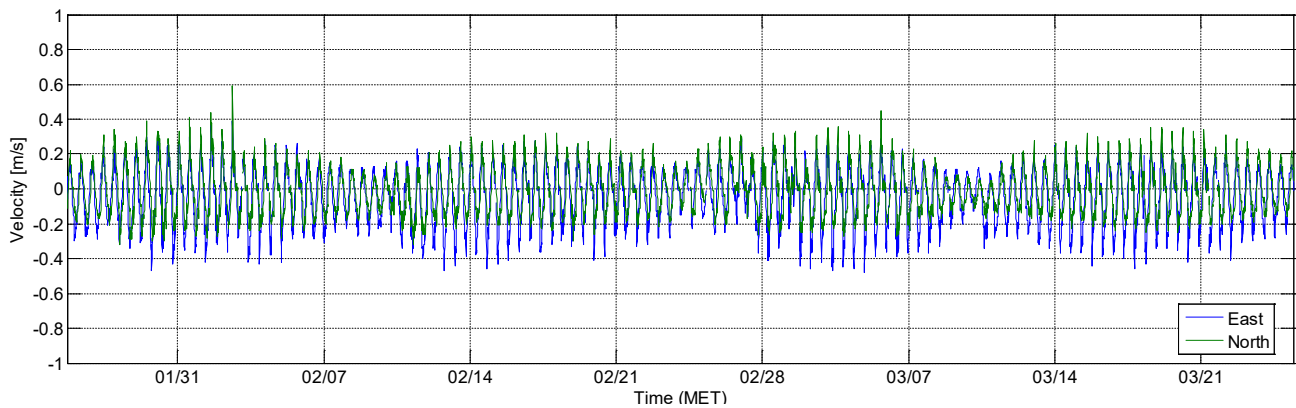


Figure 335 - Tripod deployment MOW1 (ADV): January - March 2010 - Flow decomposed along the estimated major axis (51°N) [m/s] at 0.18mab

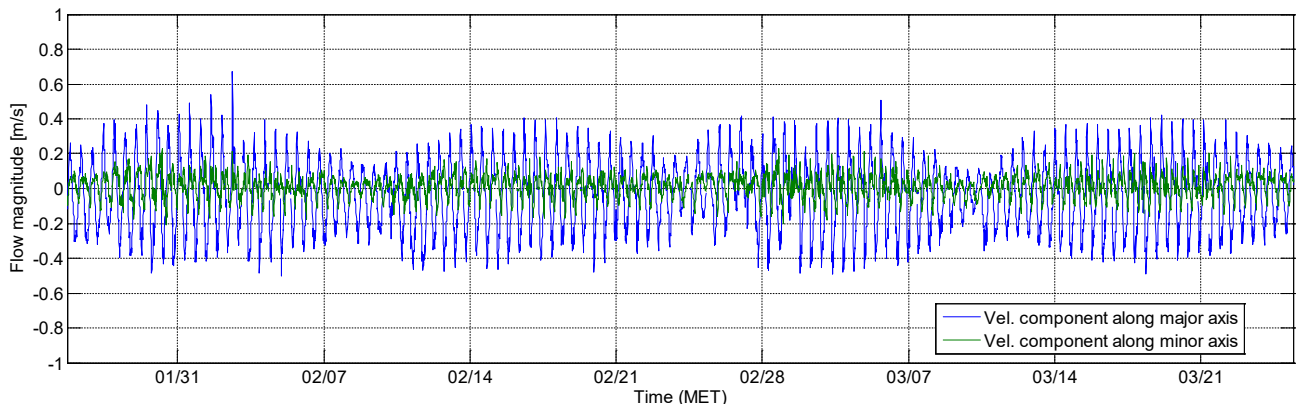


Figure 336 - Tripod deployment MOW1 (ADV): January - March 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=54.7°, dev=2.63°

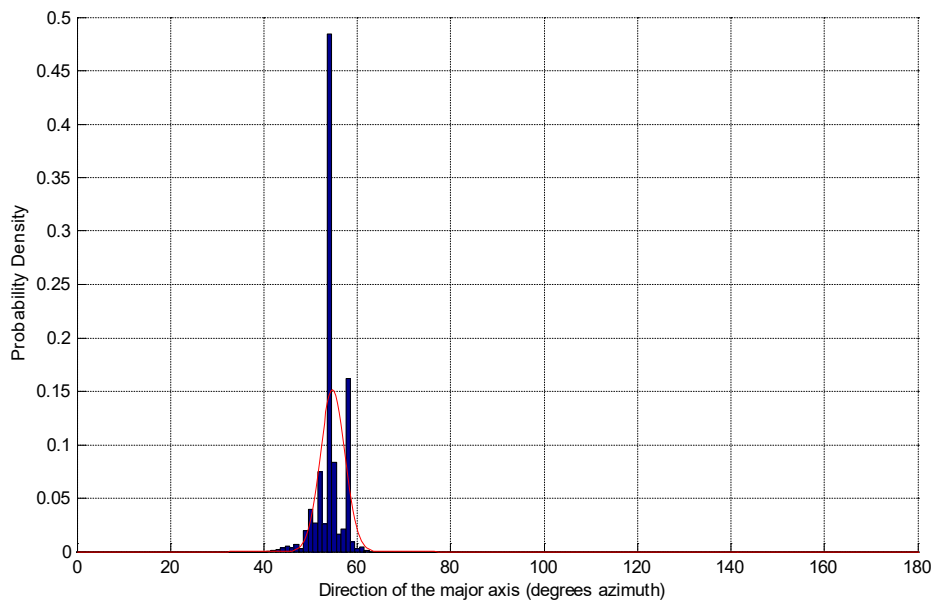
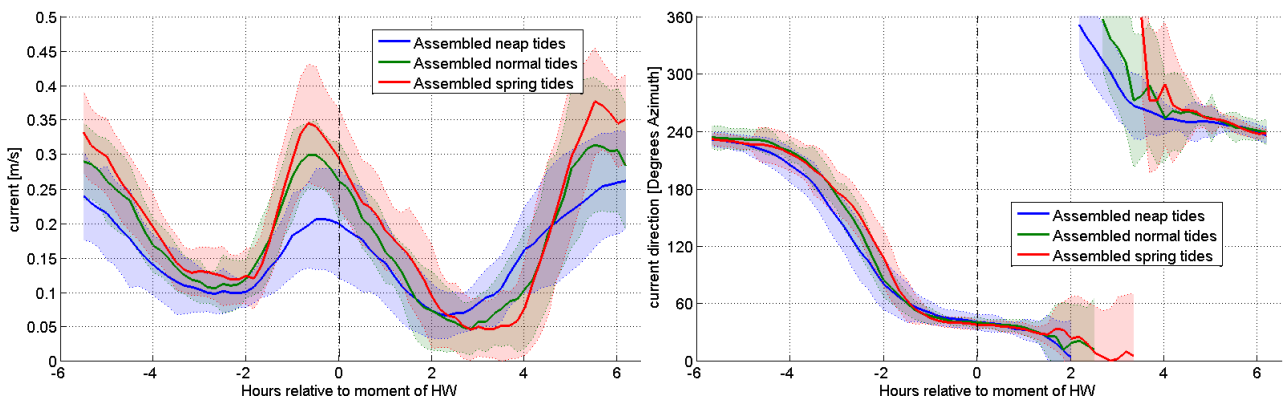


Figure 337 - Tripod deployment MOW1 (ADV): 25/01/2010 - 25/03/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.15 Tripod deployment MOW1 (ADV): March - May 2010

Figure 338 - Tripod deployment MOW1 (ADV): March - May 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

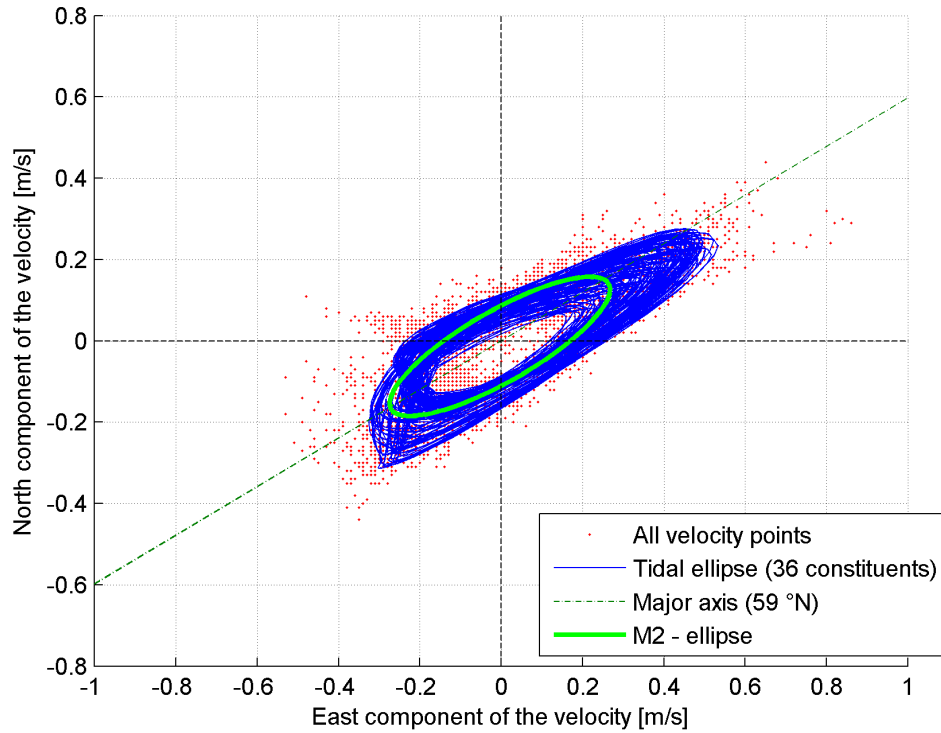


Figure 339 - Tripod deployment MOW1 (ADV): March - May 2010 - East and North velocity components [m/s] at 0.18mab

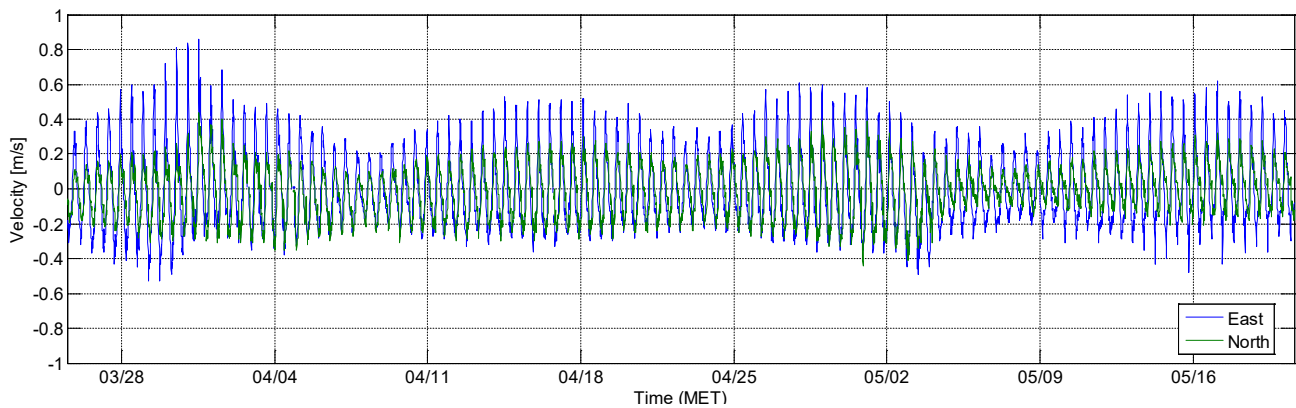


Figure 340 - Tripod deployment MOW1 (ADV): March - May 2010 - Flow decomposed along the estimated major axis (59°N) [m/s] at 0.18mab

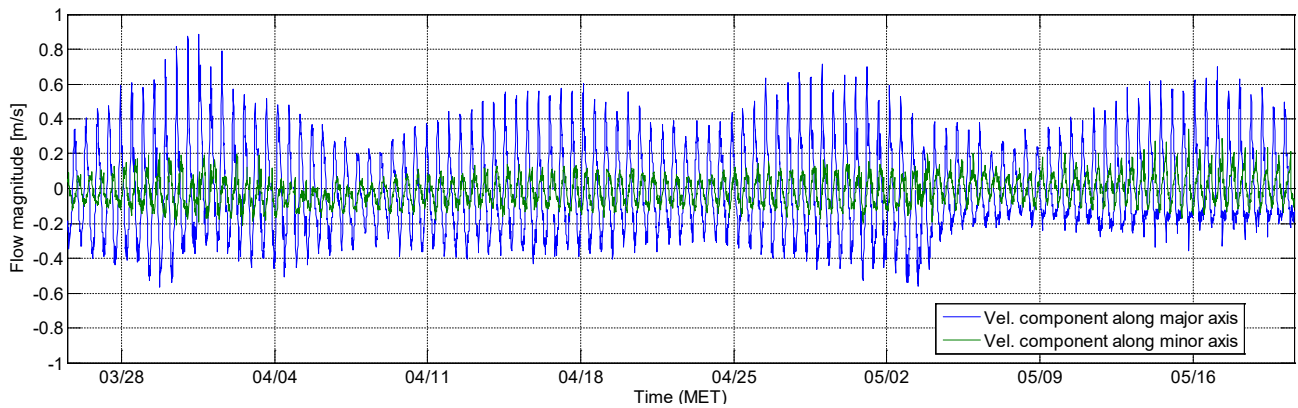


Figure 341 - Tripod deployment MOW1 (ADV): March - May 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=58.0°, dev=4.00°

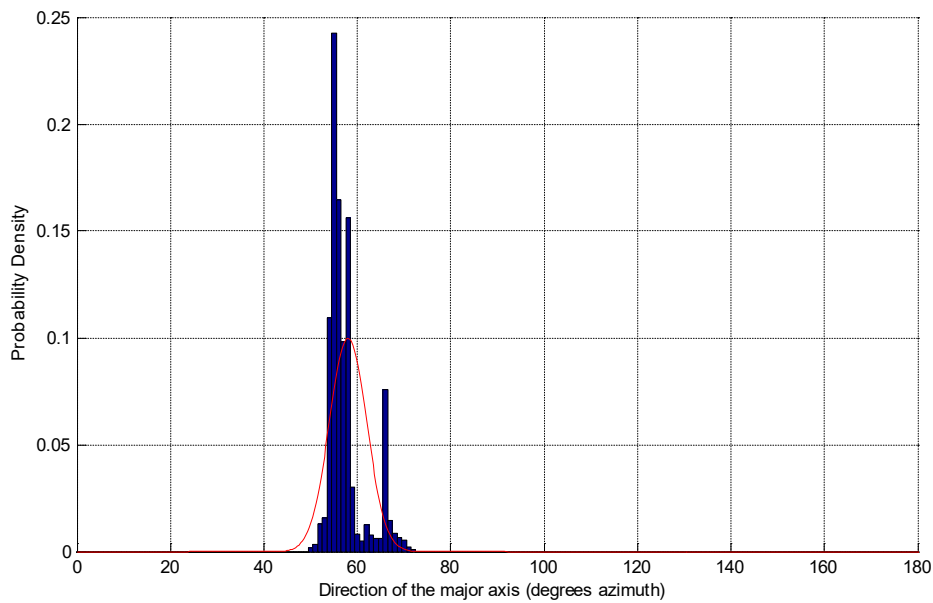
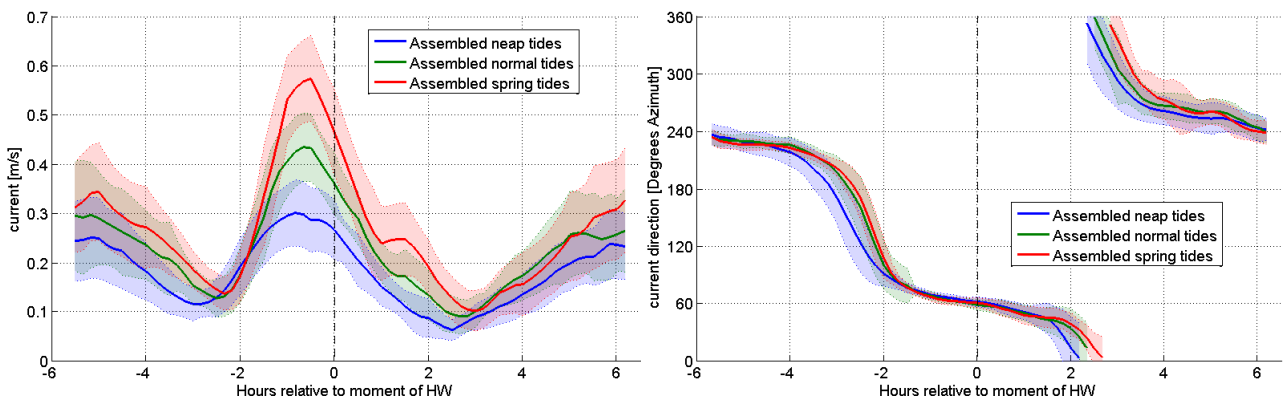


Figure 342 - Tripod deployment MOW1 (ADV): 25/03/2010 - 20/05/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.16 Tripod deployment MOW1 (ADV): May 2010

Figure 343 - Tripod deployment MOW1 (ADV): May 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (10 constituents)

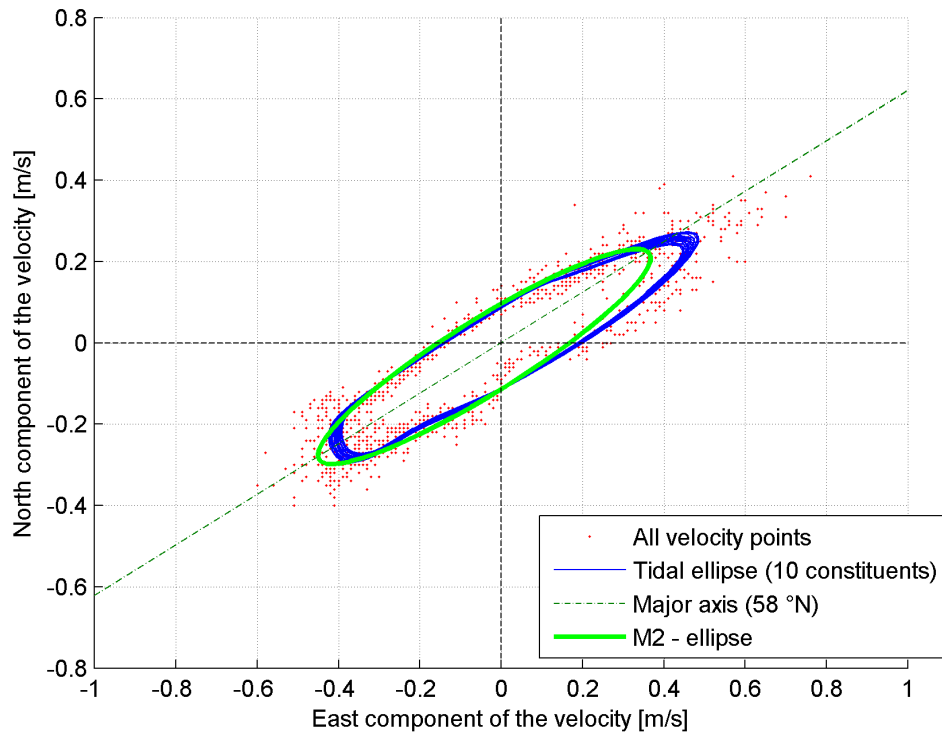


Figure 344 - Tripod deployment MOW1 (ADV): May 2010 - East and North velocity components [m/s] at 0.18mab

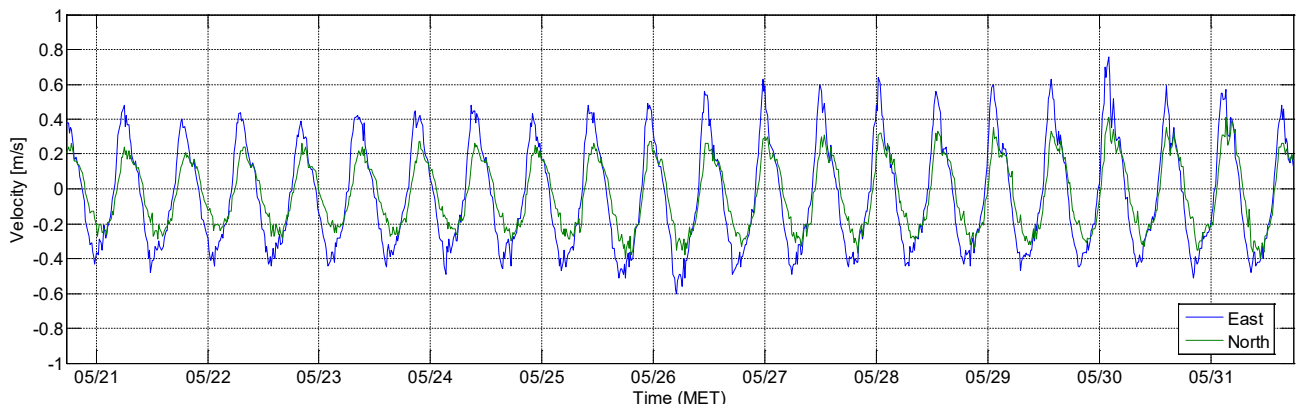


Figure 345 - Tripod deployment MOW1 (ADV): May 2010 - Flow decomposed along the estimated major axis (58°N) [m/s] at 0.18mab

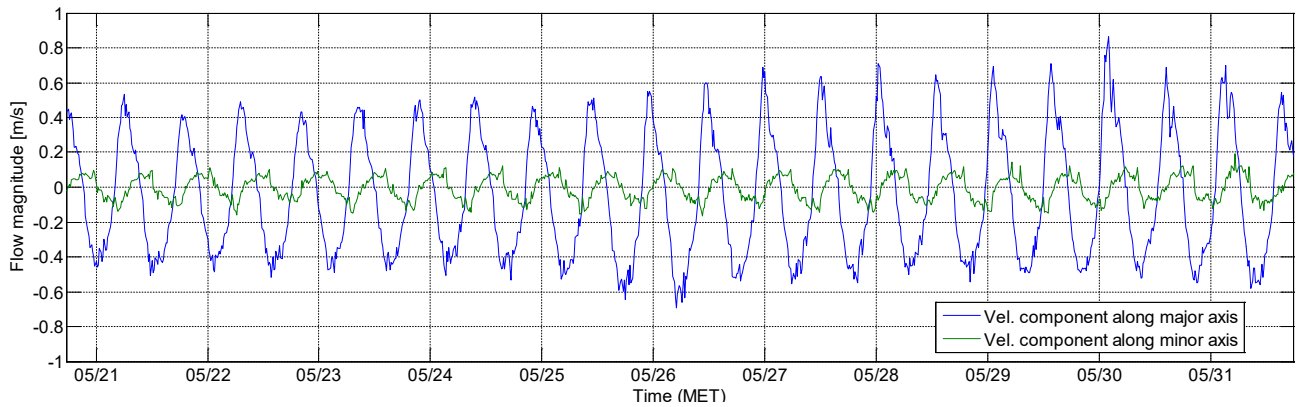


Figure 346 - Tripod deployment MOW1 (ADV): May 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=58.6°, dev=0.91°

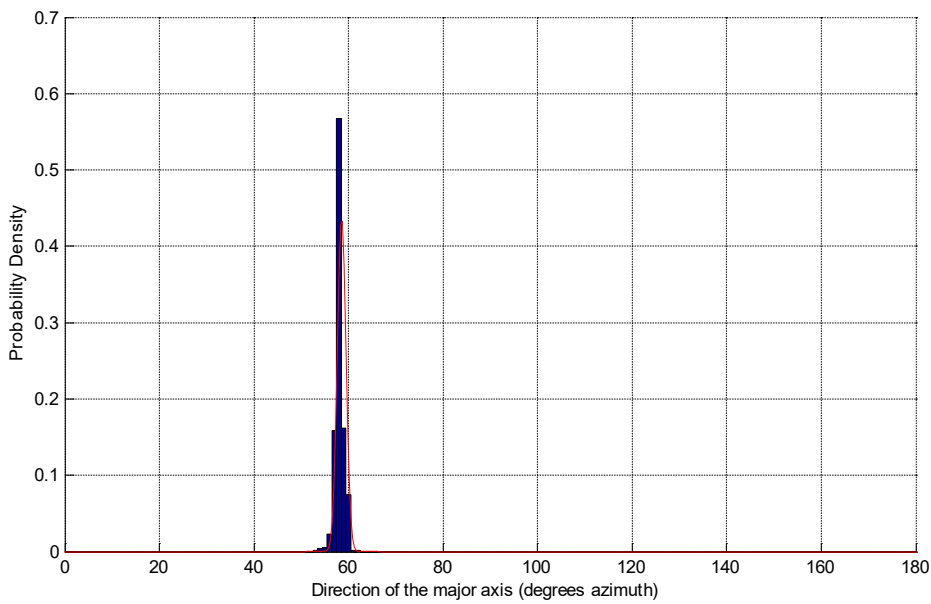
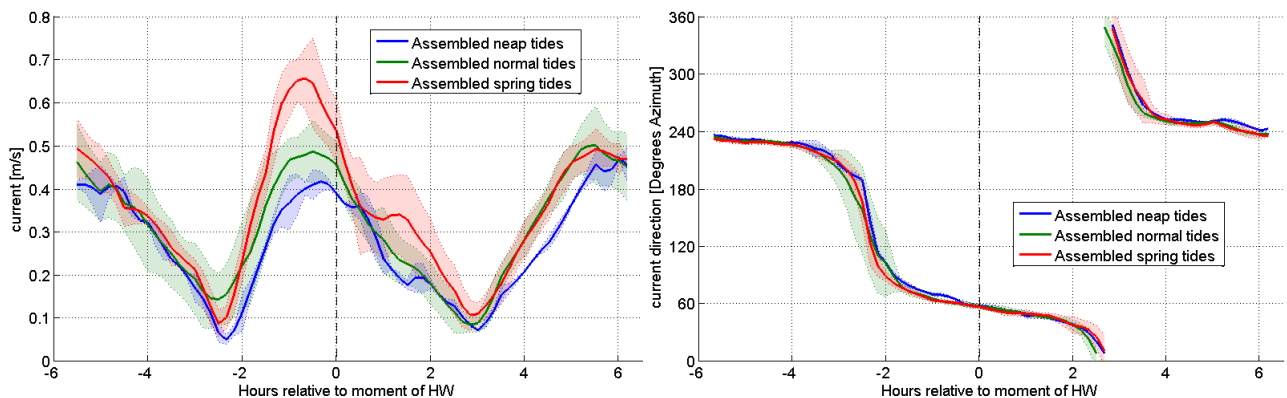


Figure 347 - Tripod deployment MOW1 (ADV): 20/05/2010 - 31/05/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.17 Tripod deployment MOW1 (ADV): May - July 2010

Figure 348 - Tripod deployment MOW1 (ADV): May - July 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

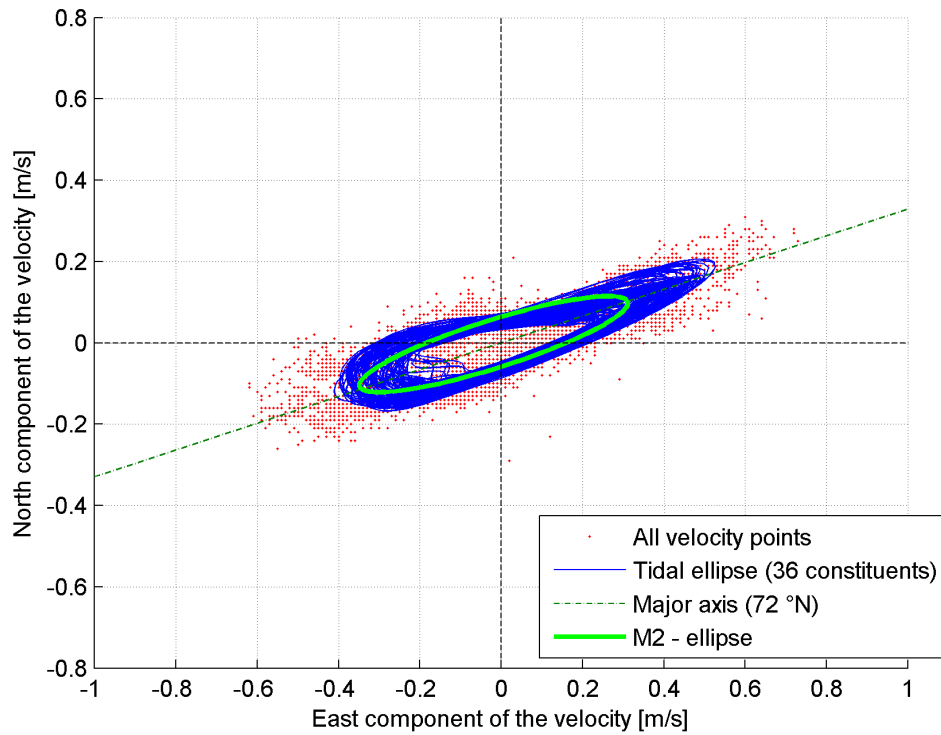


Figure 349 - Tripod deployment MOW1 (ADV): May - July 2010 - East and North velocity components [m/s] at 0.18mab

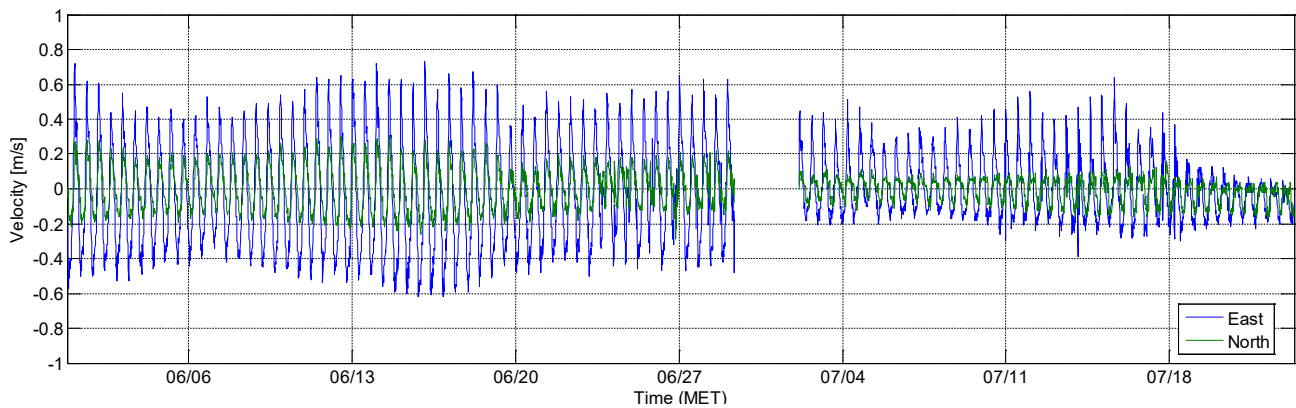


Figure 350 - Tripod deployment MOW1 (ADV): May - July 2010 - Flow decomposed along the estimated major axis (72°N) [m/s] at 0.18mab

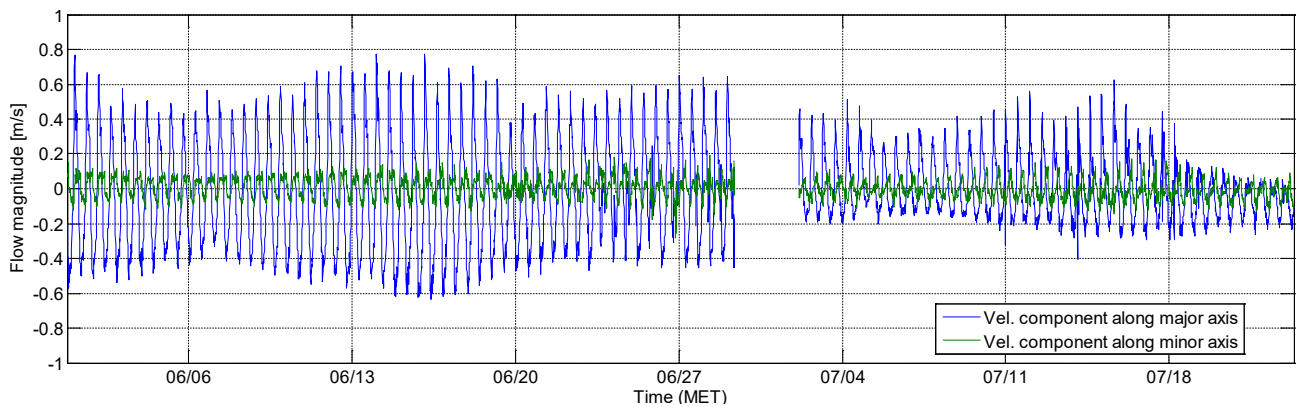


Figure 351 - Tripod deployment MOW1 (ADV): May - July 2010 - Probability density of major axis direction. Number of bootstrap samples: 2495, sample length: random number of tidal cycles), normal fit: mean=72.9°, dev=2.68°

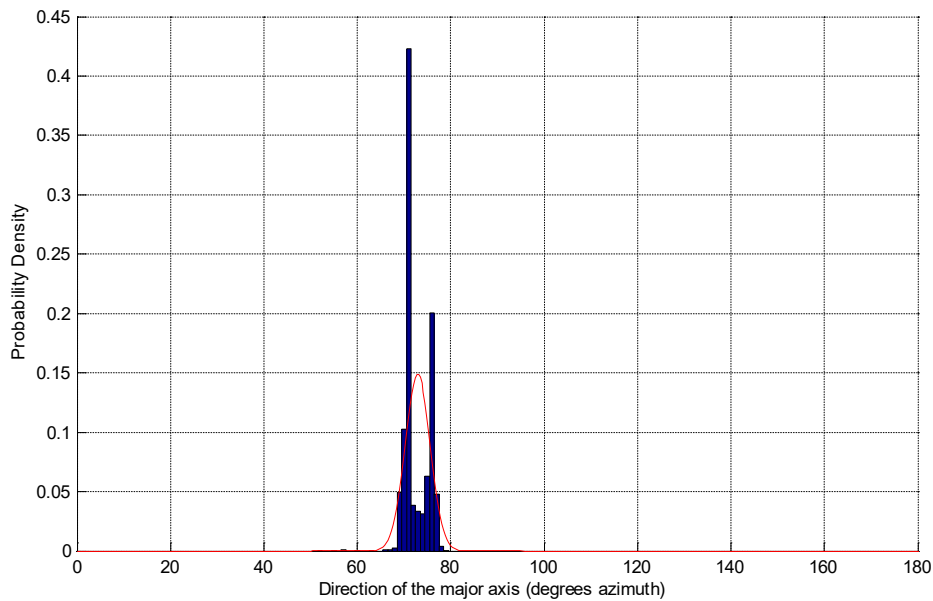
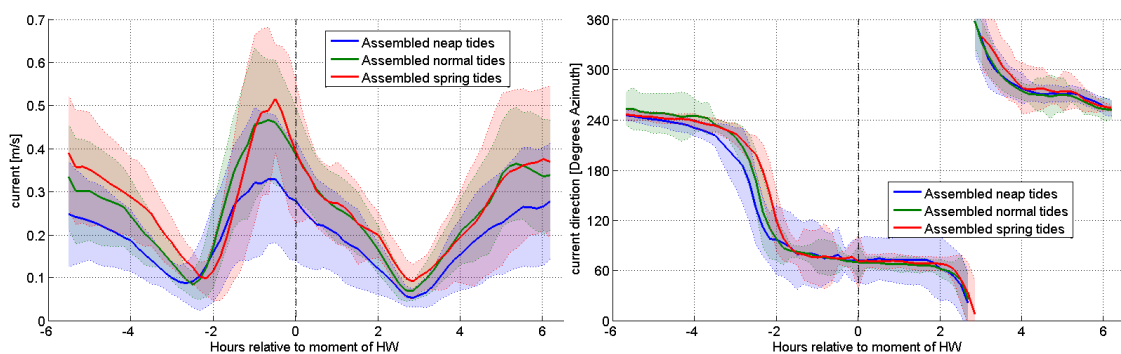


Figure 352 - Tripod deployment MOW1 (ADV): 31/05/2010 - 23/07/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.18 Tripod deployment MOW1 (ADV): September - October 2010

Figure 353 - Tripod deployment MOW1 (ADV): September - October 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

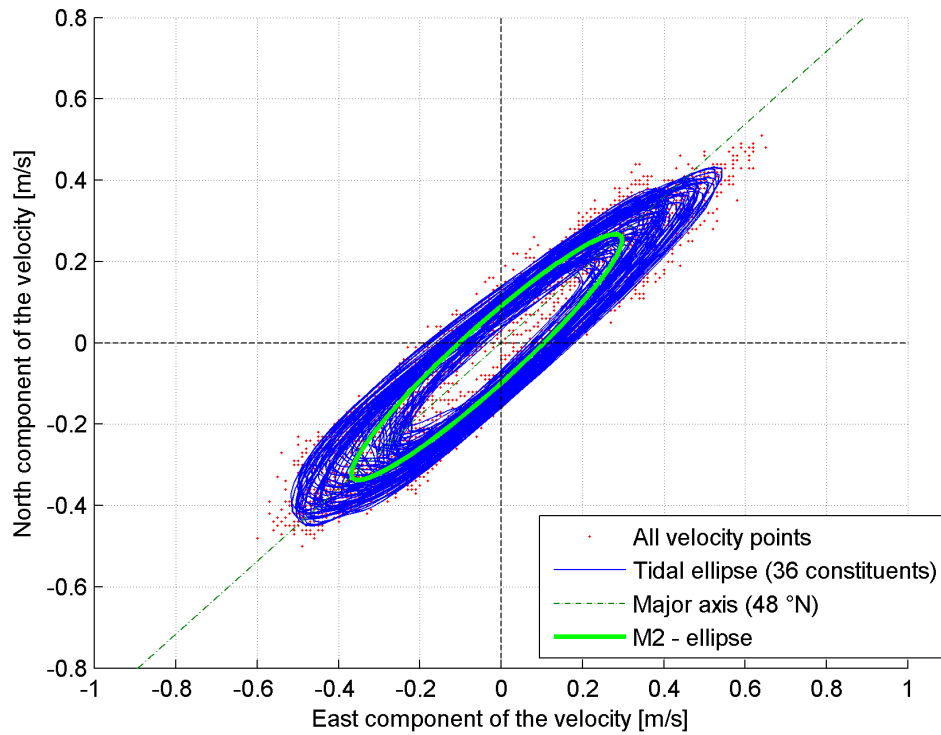


Figure 354 - Tripod deployment MOW1 (ADV): September - October 2010 - East and North velocity components [m/s] at 0.18mab

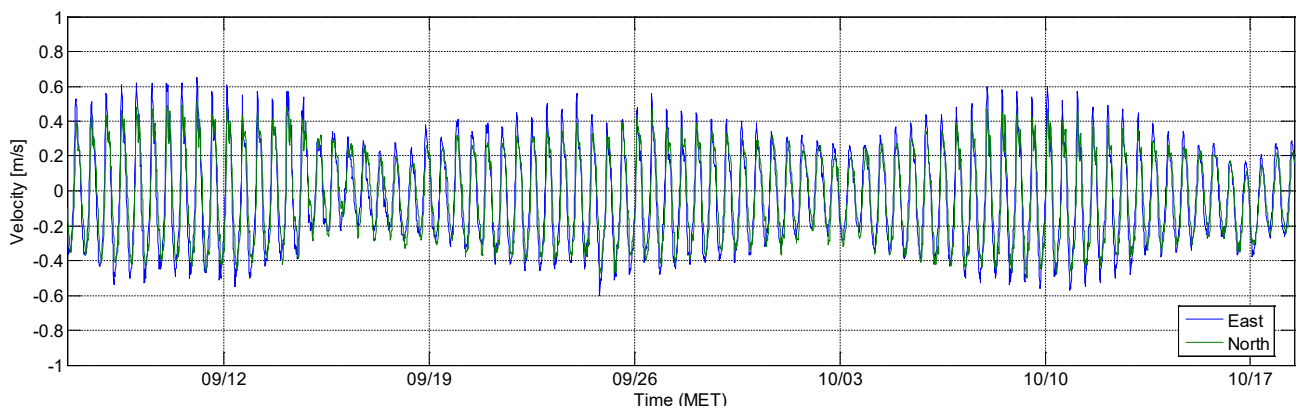


Figure 355 - Tripod deployment MOW1 (ADV): September - October 2010 - Flow decomposed along the estimated major axis (48°N) [m/s] at 0.18mab

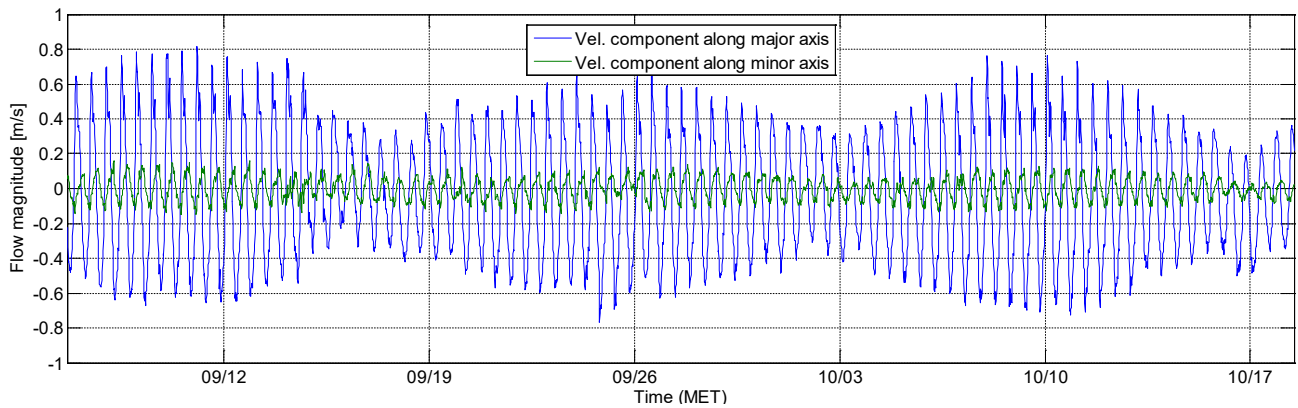


Figure 356 - Tripod deployment MOW1 (ADV): September - October 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=47.9°, dev=0.54°

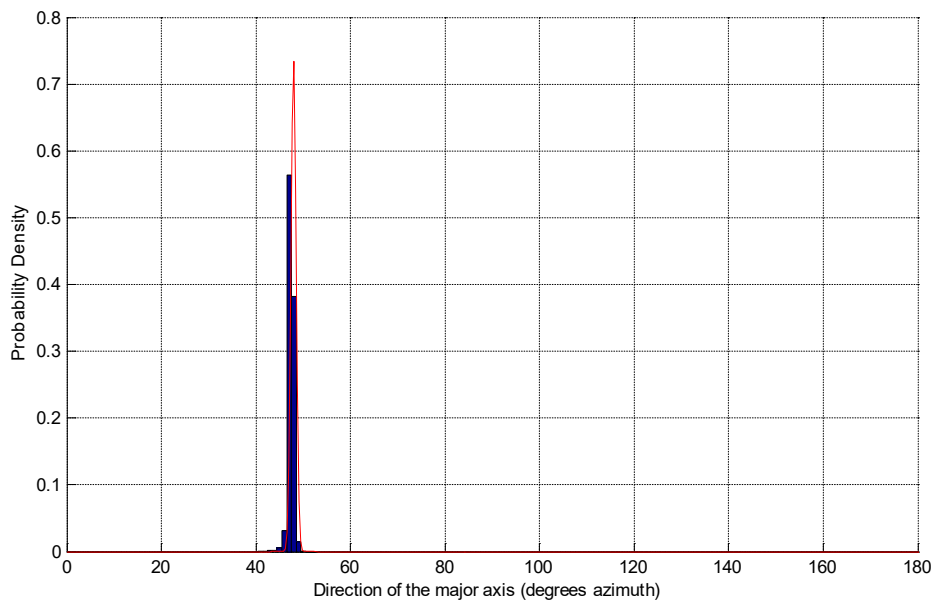
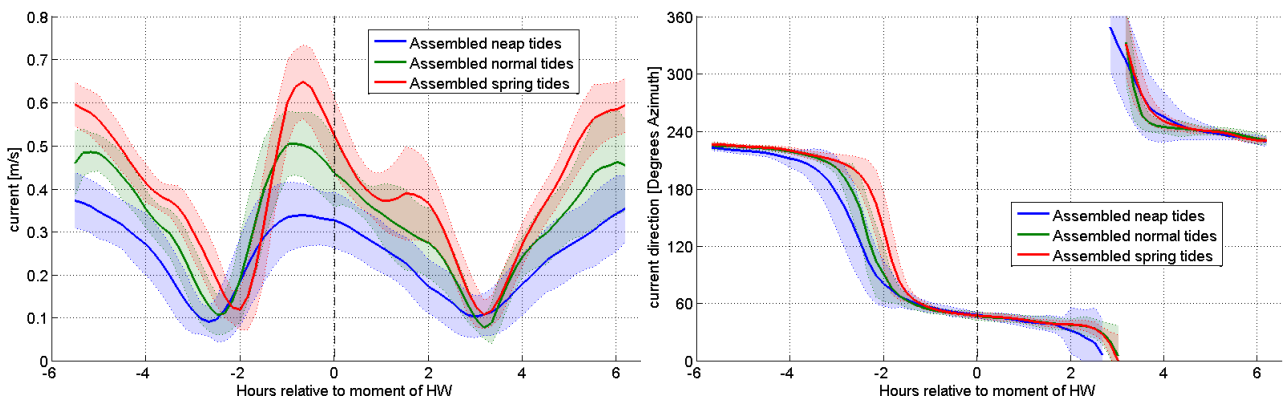


Figure 357 - Tripod deployment MOW1 (ADV): 06/09/2010 - 18/10/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.19 Tripod deployment MOW1 (ADV): October - November 2010

Figure 358 - Tripod deployment MOW1 (ADV): October - November 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

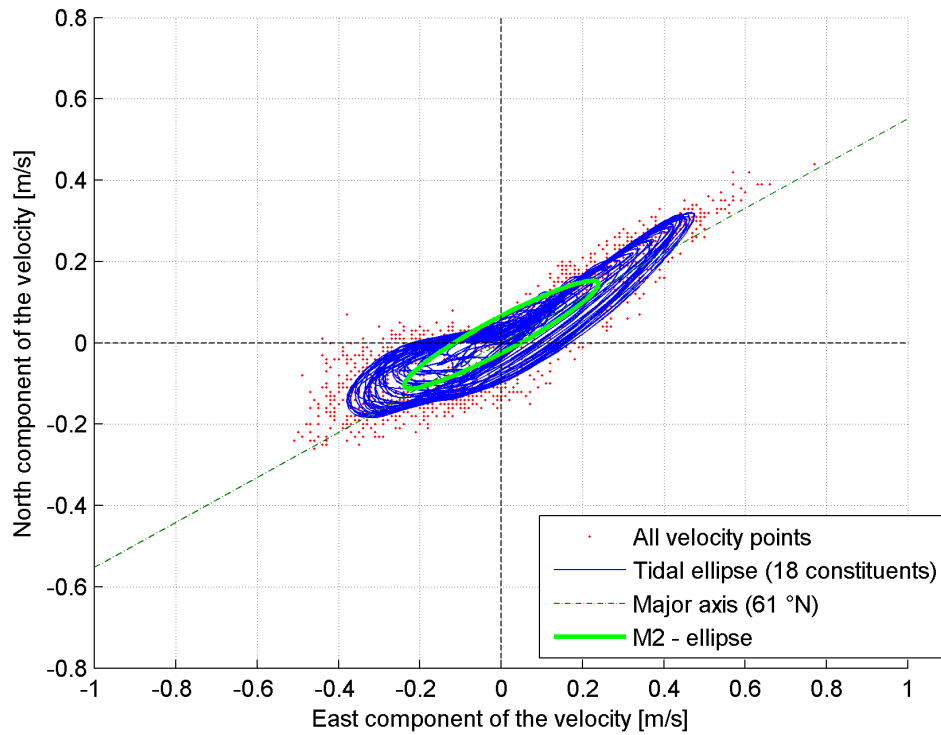


Figure 359 - Tripod deployment MOW1 (ADV): October - November 2010 - East and North velocity components [m/s] at 0.18mab

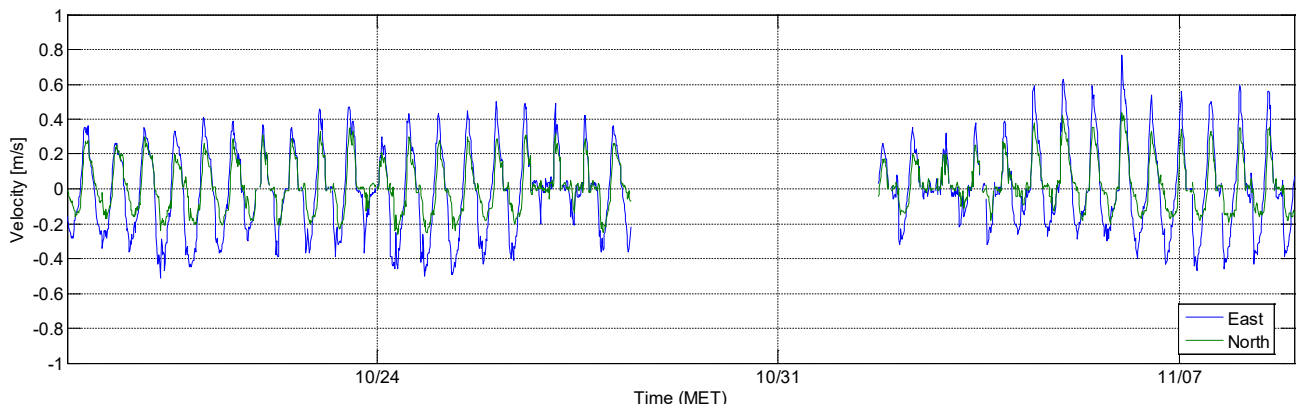


Figure 360 - Tripod deployment MOW1 (ADV): October - November 2010 - Flow decomposed along the estimated major axis (61°N) [m/s] at 0.18mab

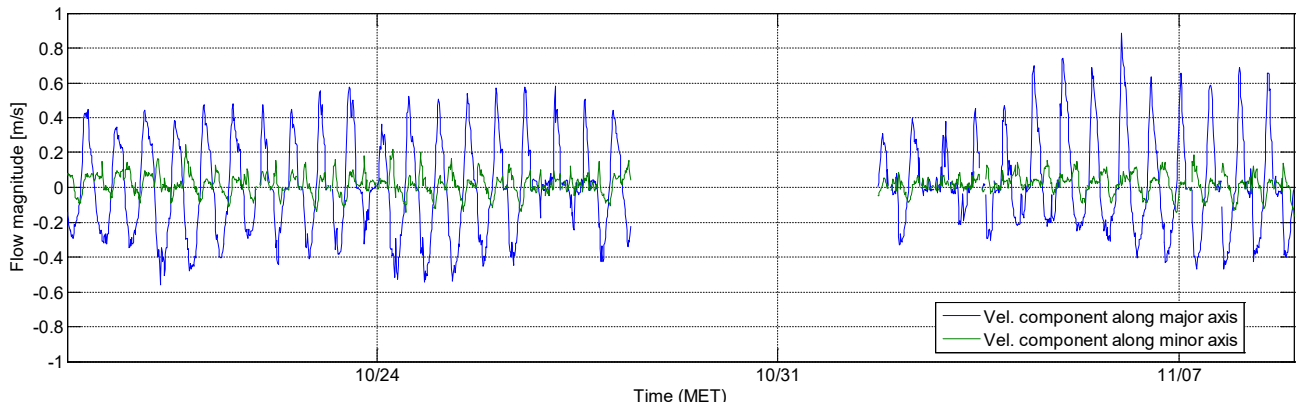


Figure 361 - Tripod deployment MOW1 (ADV): October - November 2010 - Probability density of major axis direction. Number of bootstrap samples: 2453, sample length: random number of tidal cycles), normal fit: mean=61.7°, dev=3.16°

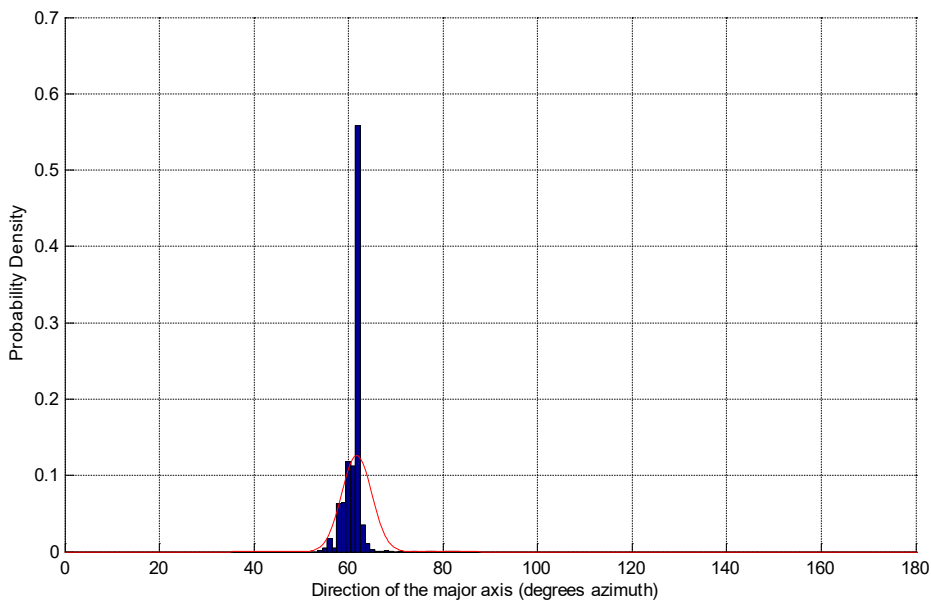
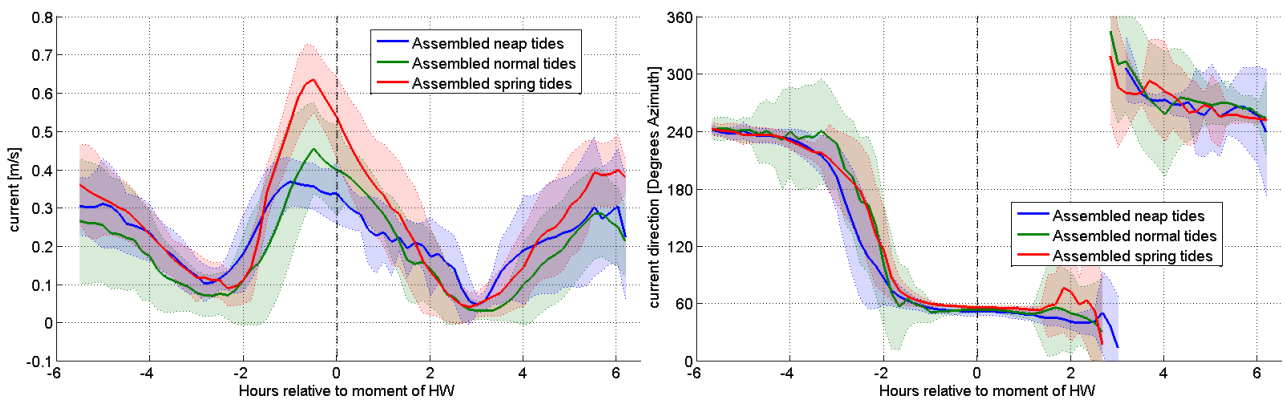


Figure 362 - Tripod deployment MOW1 (ADV): 18/10/2010 - 17/11/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.20 Tripod deployment MOW1 (ADV): November - December 2010

Figure 363 - Tripod deployment MOW1 (ADV): November - December 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (30 constituents)

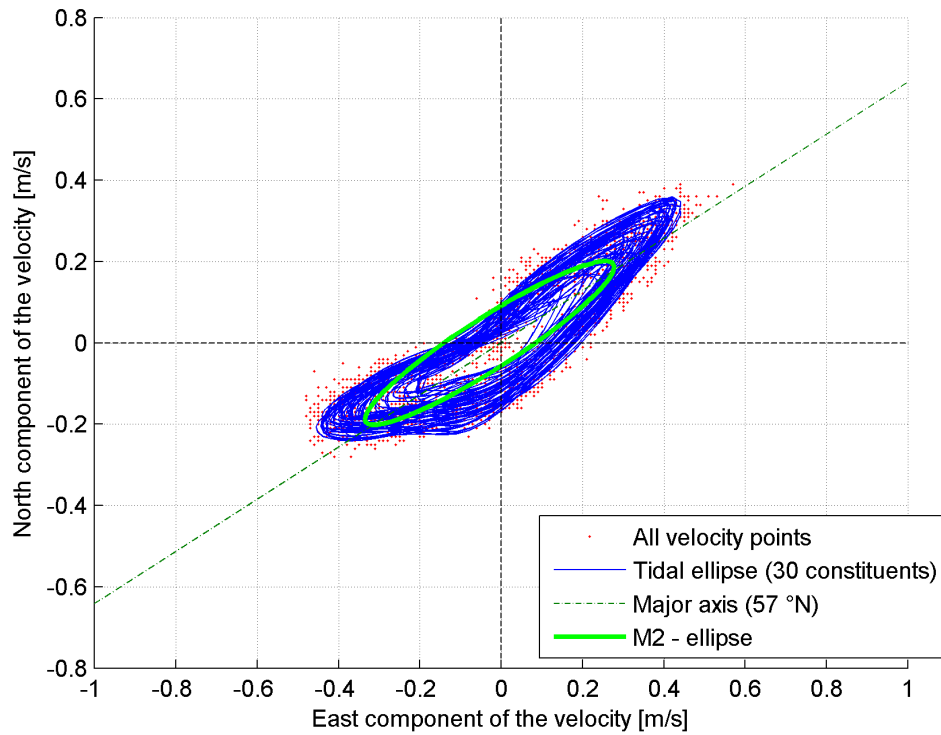


Figure 364 - Tripod deployment MOW1 (ADV): November - December 2010 - East and North velocity components [m/s] at 0.18mab

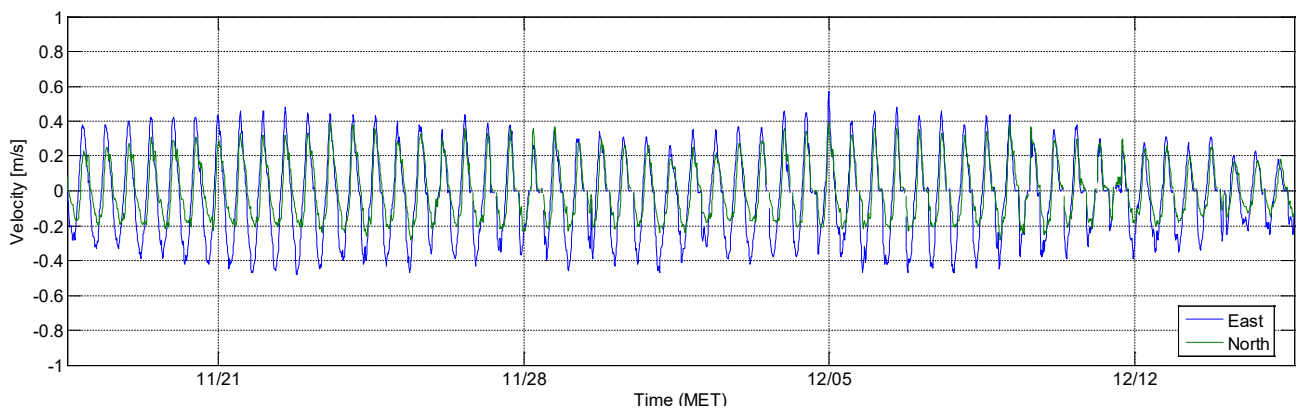


Figure 365 - Tripod deployment MOW1 (ADV): November - December 2010 - Flow decomposed along the estimated major axis (57°N) [m/s] at 0.18mab

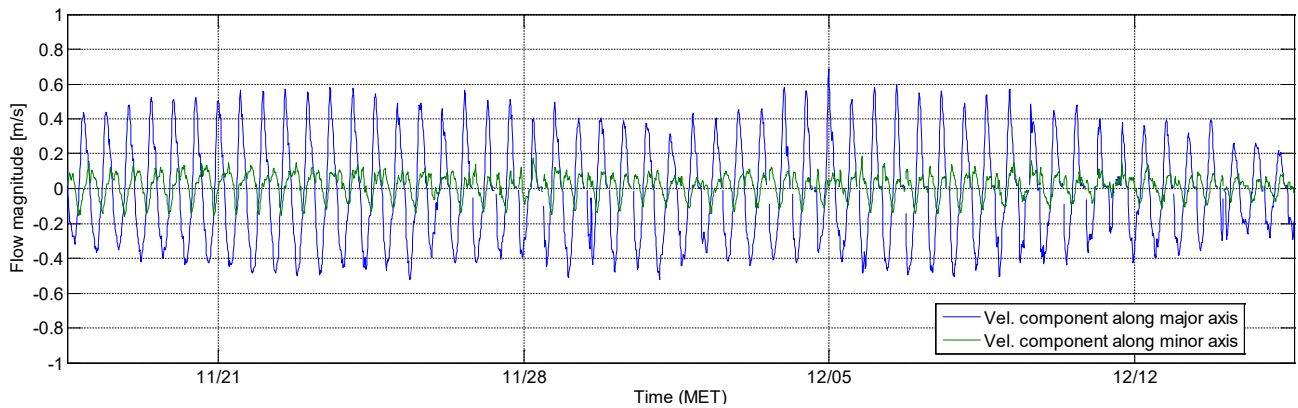


Figure 366 - Tripod deployment MOW1 (ADV): November - December 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=57.4°, dev=1.95°

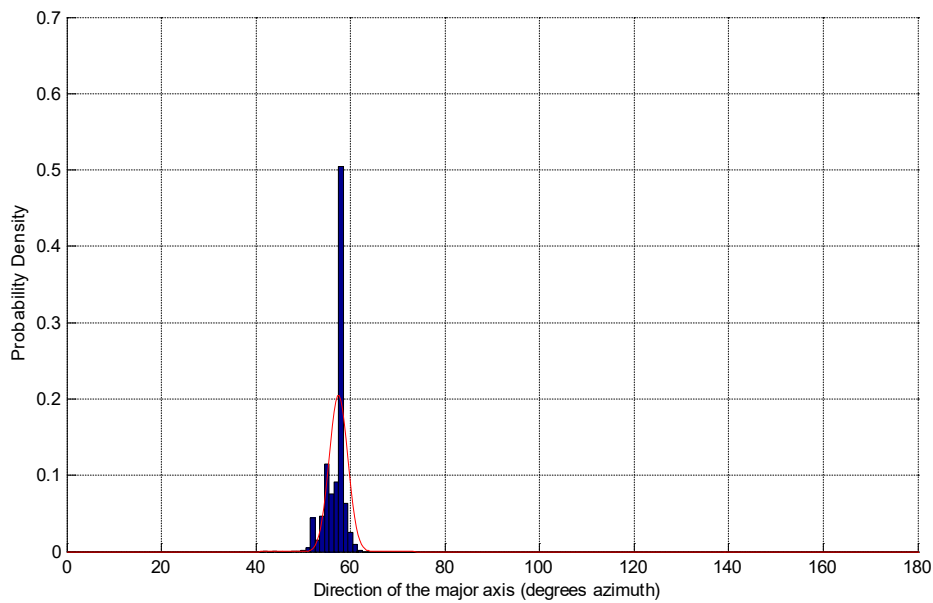
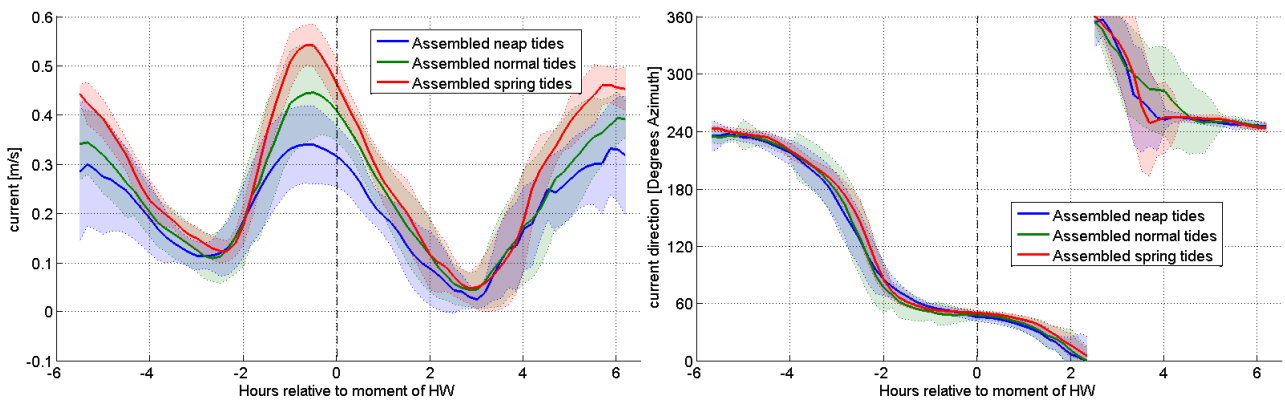


Figure 367 - Tripod deployment MOW1 (ADV): 17/11/2010 - 15/12/2010 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.21 Tripod deployment MOW1 (ADV): December 2010 - January 2011

Figure 368 - Tripod deployment MOW1 (ADV): December 2010 - January 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

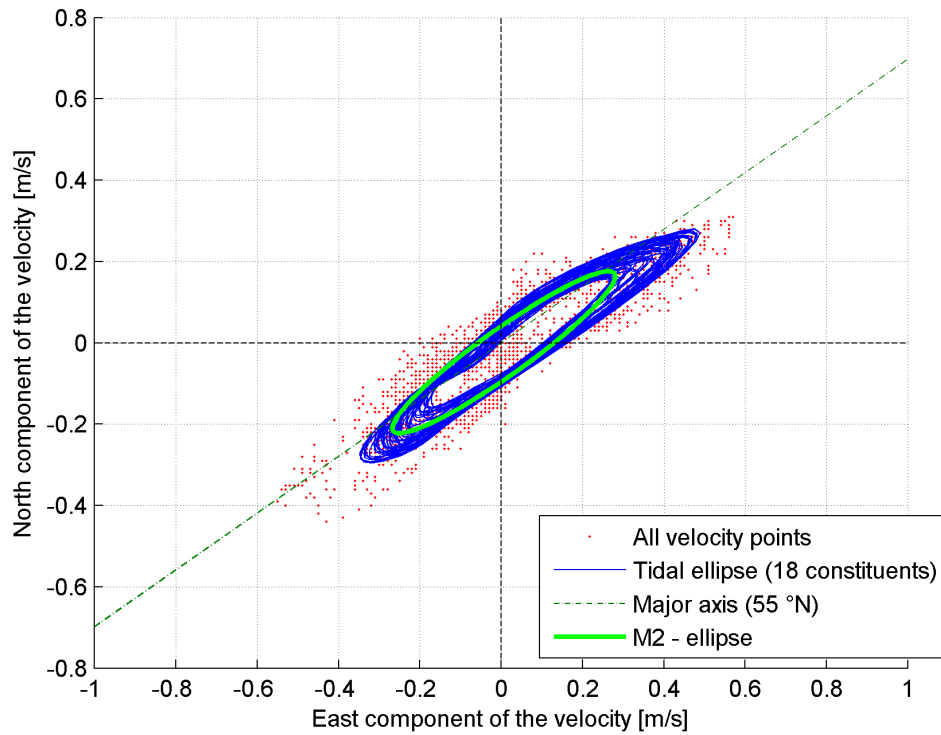


Figure 369 - Tripod deployment MOW1 (ADV): December 2010 - January 2011 - East and North velocity components [m/s] at 0.18mab

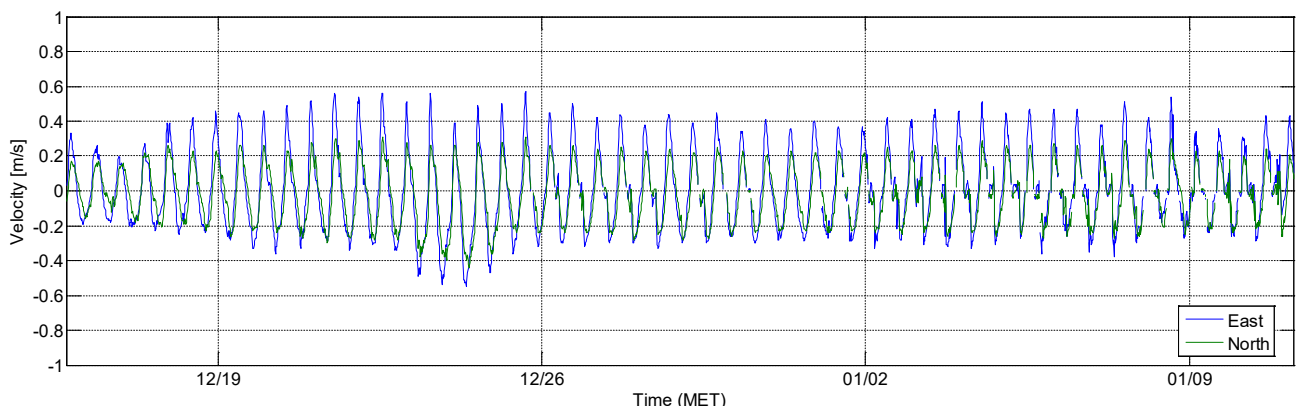


Figure 370 - Tripod deployment MOW1 (ADV): December 2010 - January 2011 - Flow decomposed along the estimated major axis (55°N) [m/s] at 0.18mab

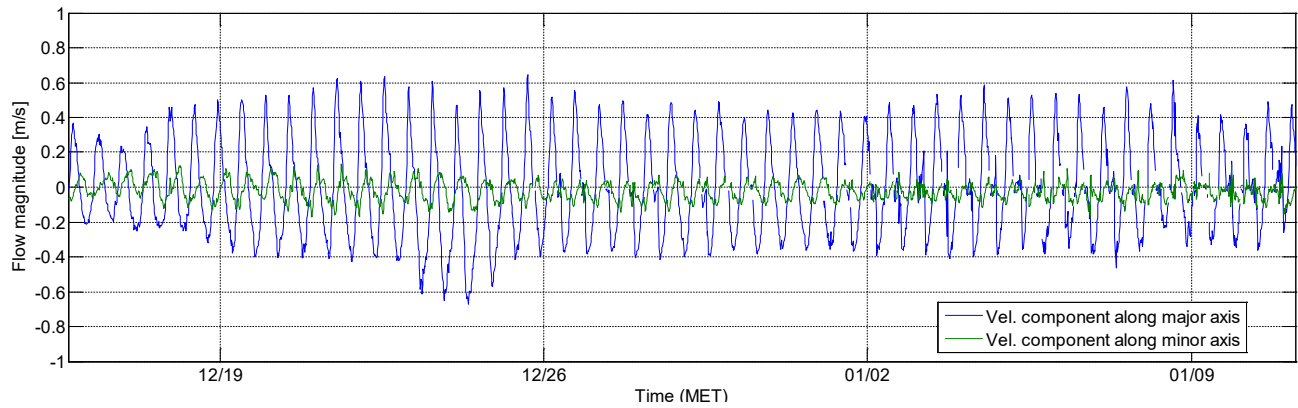
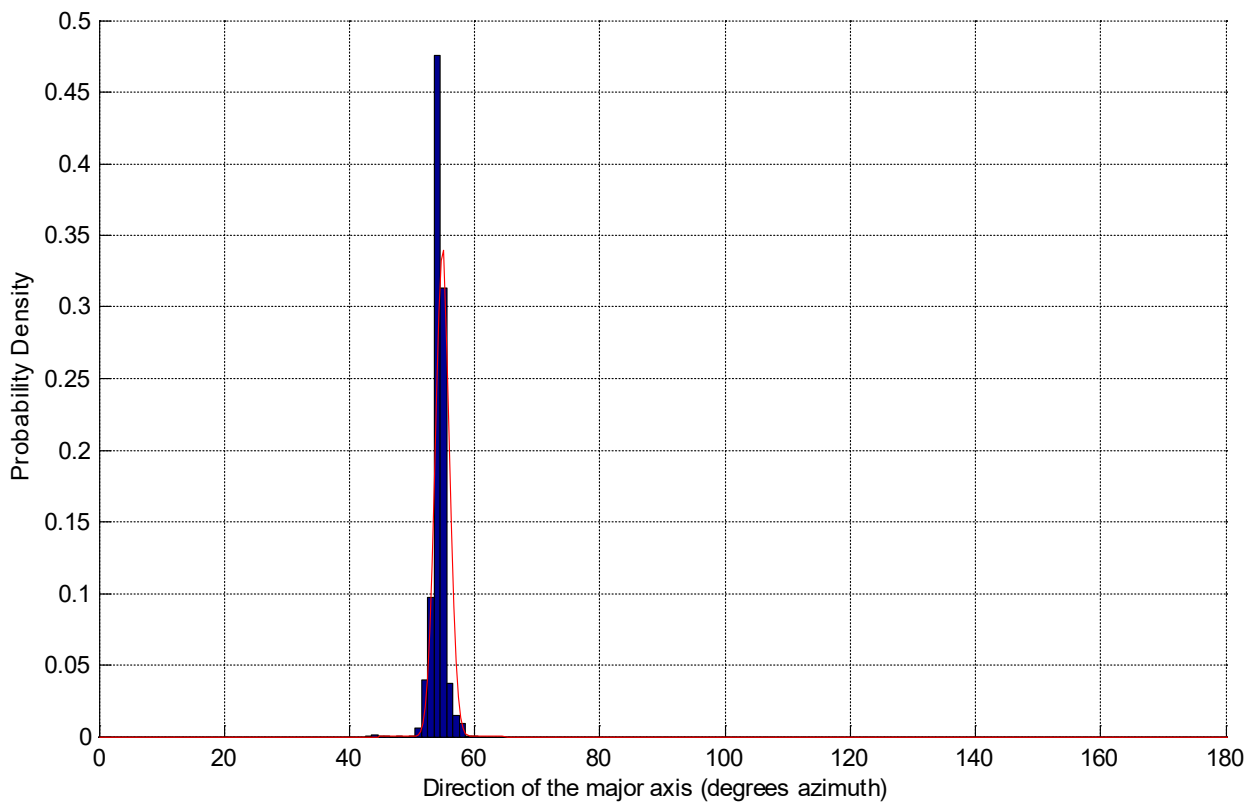


Figure 371 - Tripod deployment MOW1 (ADV): December 2010 - January 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=54.8°, dev=1.17°



E.2.22 Tripod deployment MOW1 (ADV): January - March 2011

Figure 372 - Tripod deployment MOW1 (ADV): January - March 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

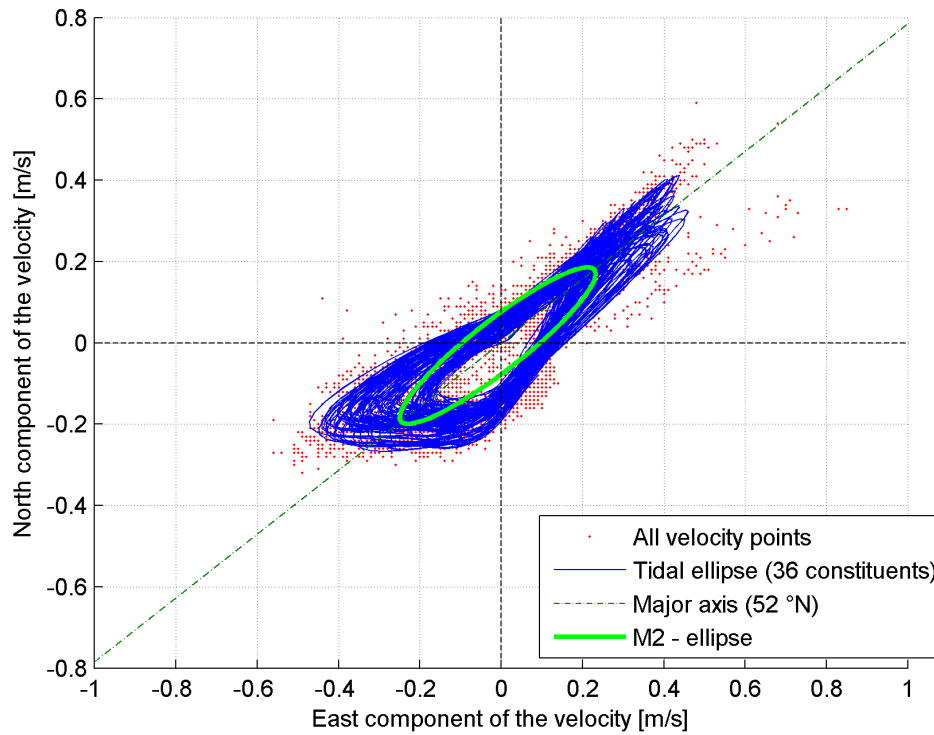


Figure 373 - Tripod deployment MOW1 (ADV): January - March 2011 - East and North velocity components [m/s] at 0.18mab

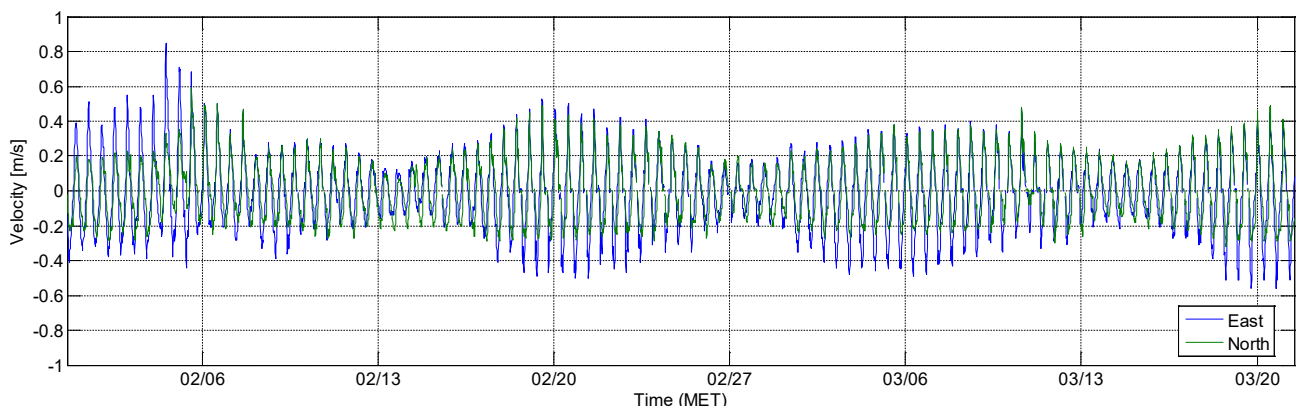


Figure 374 - Tripod deployment MOW1 (ADV): January - March 2011 - Flow decomposed along the estimated major axis (52°N) [m/s] at 0.18mab

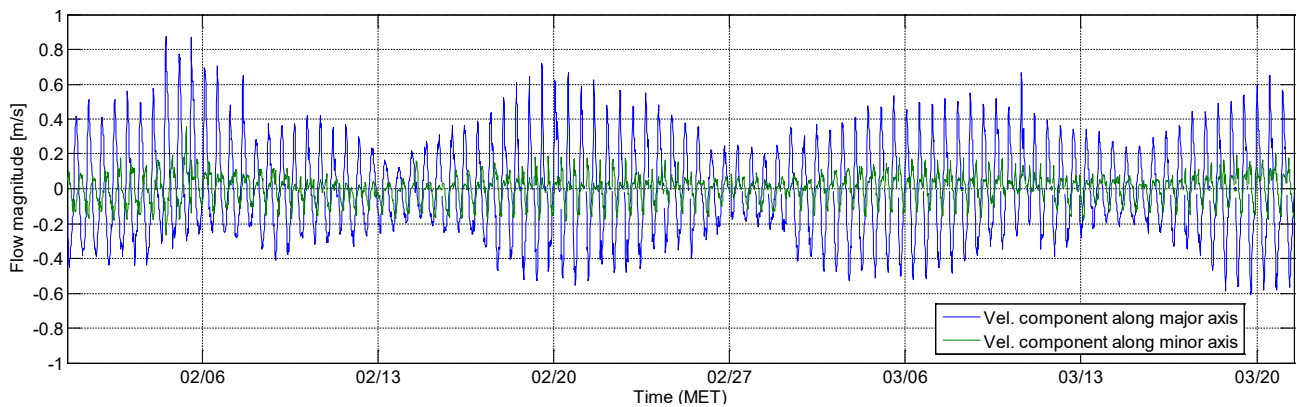


Figure 375 - Tripod deployment MOW1 (ADV): January - March 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=49.6°, dev=5.72°

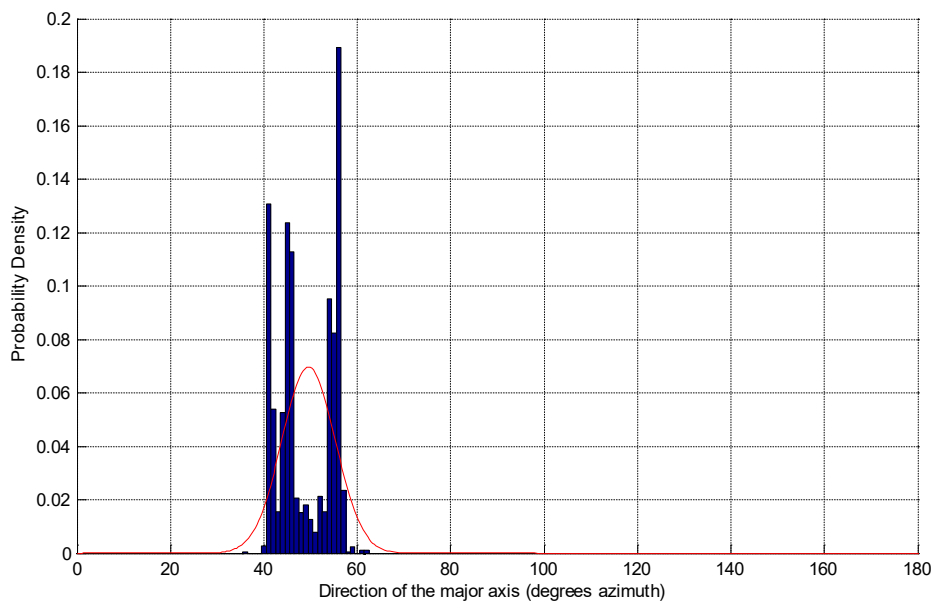
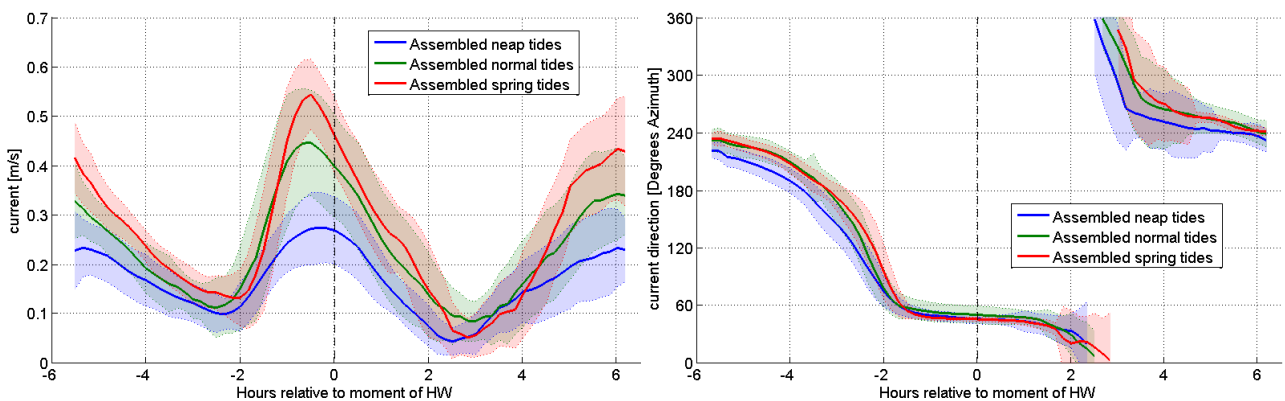


Figure 376 - Tripod deployment MOW1 (ADV): 31/01/2011 - 21/03/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.2mab



E.2.23 Tripod deployment MOW1 (ADV): March - April 2011

Figure 377 - Tripod deployment MOW1 (ADV): March - April 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

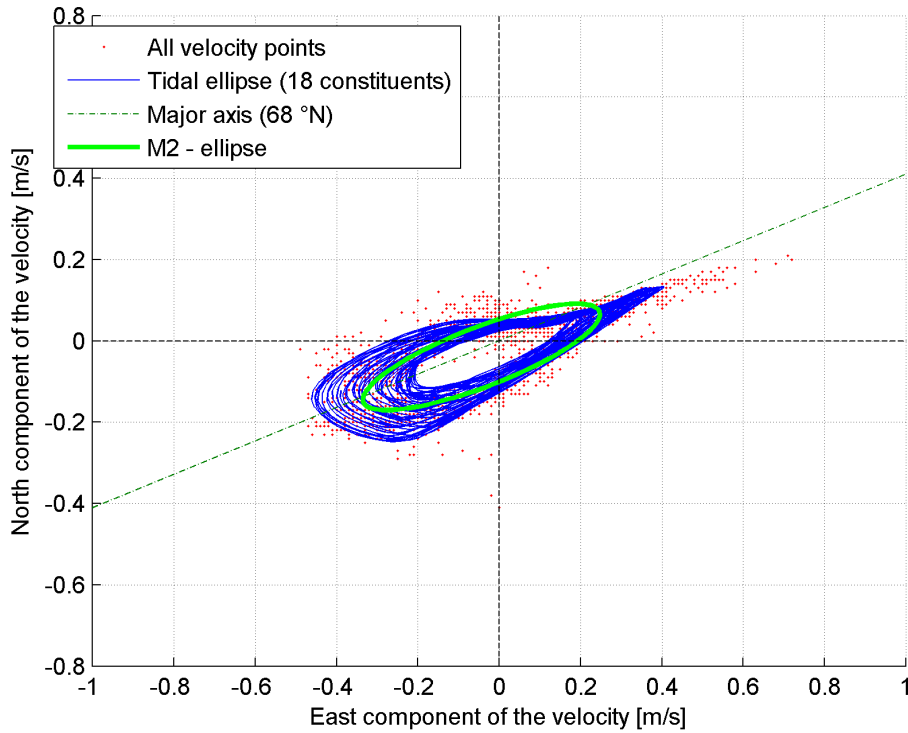


Figure 378 - Tripod deployment MOW1 (ADV): March - April 2011 - East and North velocity components [m/s] at 0.18mab

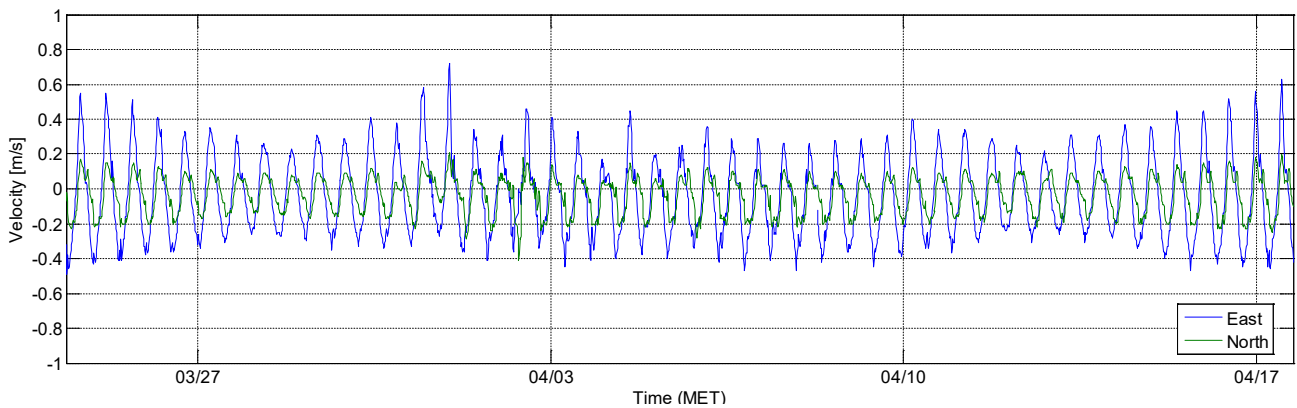


Figure 379 - Tripod deployment MOW1 (ADV): March - April 2011 - Flow decomposed along the estimated major axis (68°N) [m/s] at 0.18mab

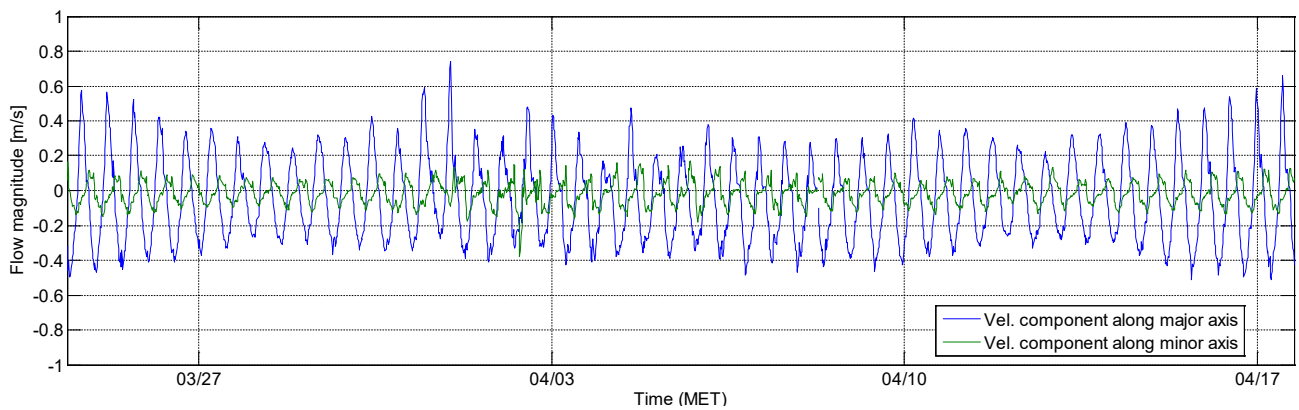


Figure 380 - Tripod deployment MOW1 (ADV): March - April 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.3°, dev=1.14°

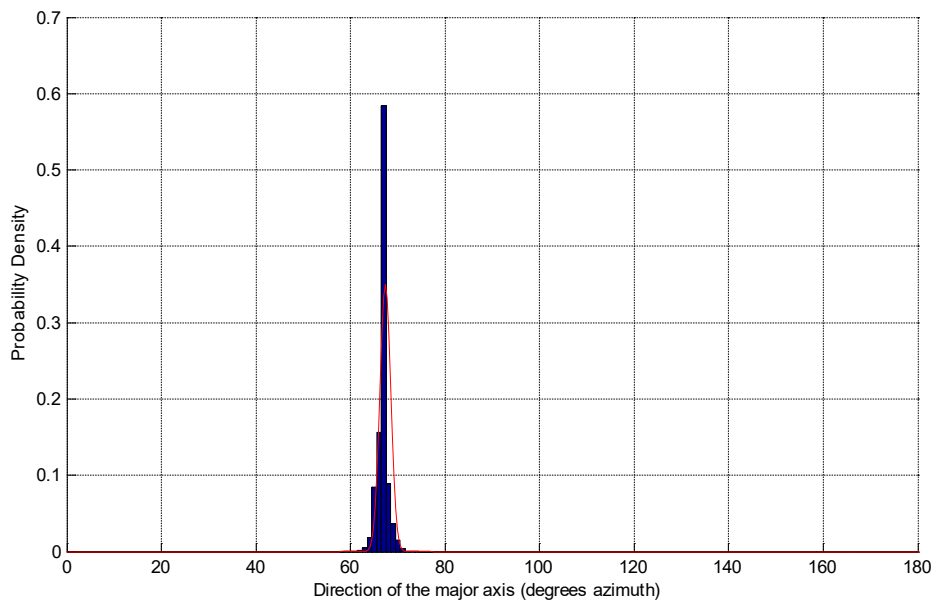
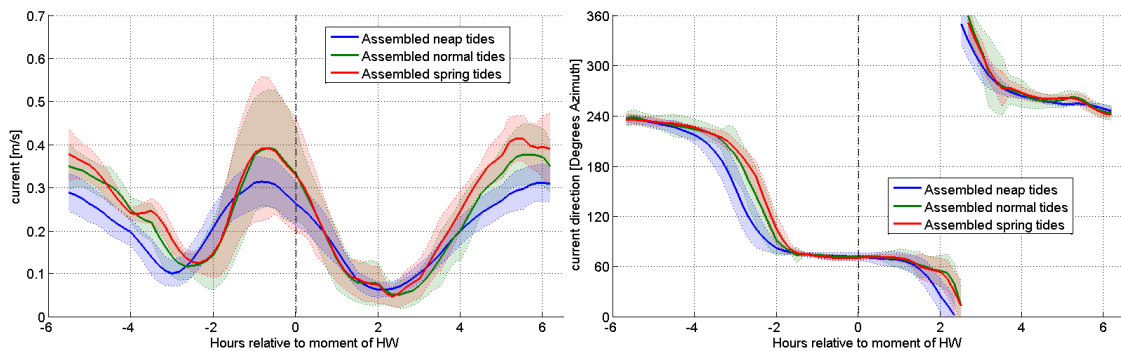


Figure 381 - Tripod deployment MOW1 (ADV): 24/03/2011 - 29/04/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.24 Tripod deployment MOW1 (ADV): April - May 2011

Figure 382 - Tripod deployment MOW1 (ADV): April - May 2011 - UV-diagram with tidal ellipse
[m/s] at 0.18mab derived through tidal analyses (18 constituents)

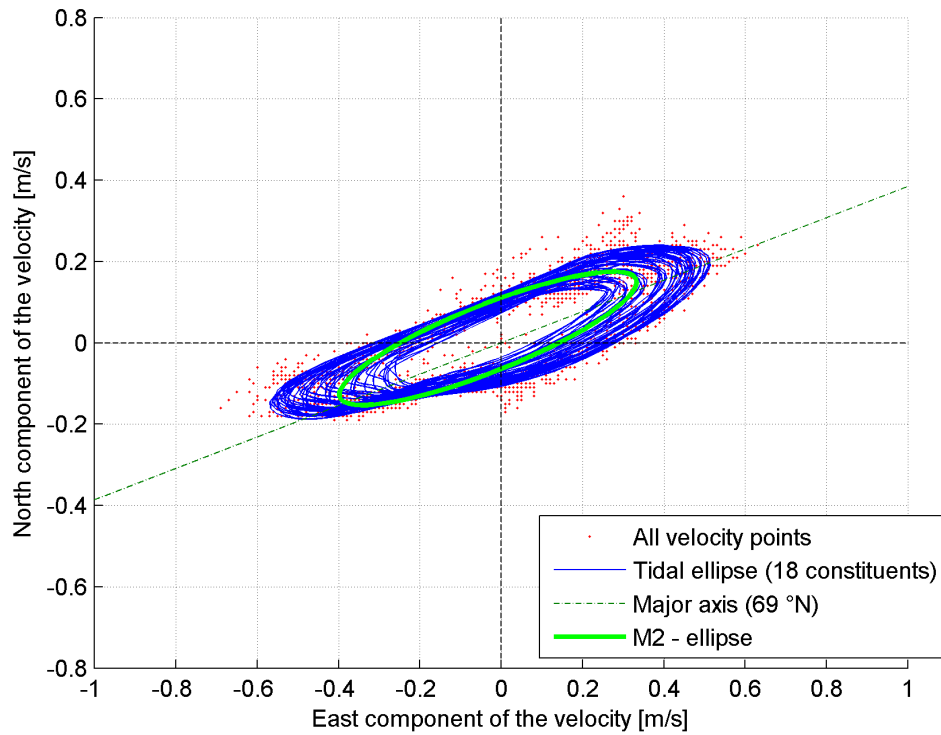


Figure 383 - Tripod deployment MOW1 (ADV): April - May 2011 - East and North velocity components
[m/s] at 0.18mab

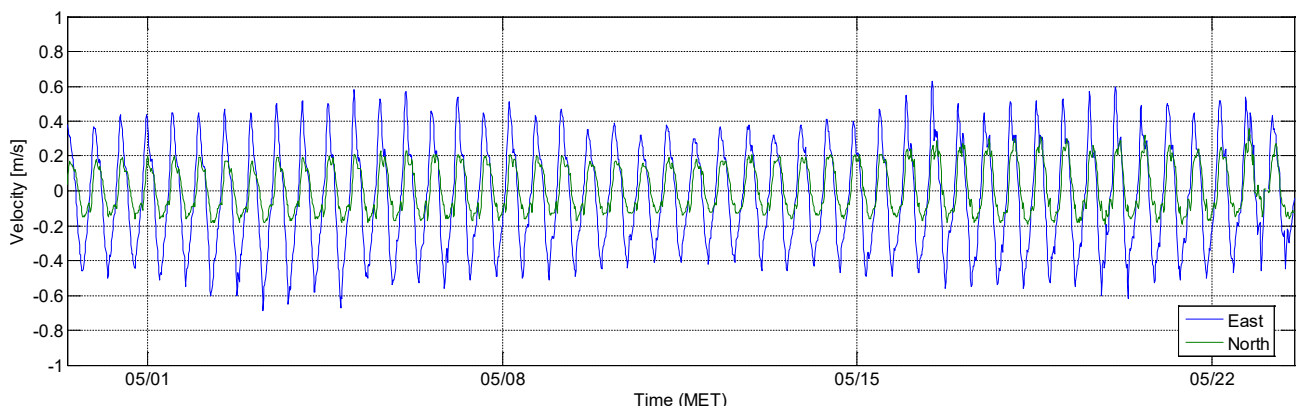


Figure 384 - Tripod deployment MOW1 (ADV): April - May 2011 - Flow decomposed along the estimated major axis (69°N) [m/s] at 0.18mab

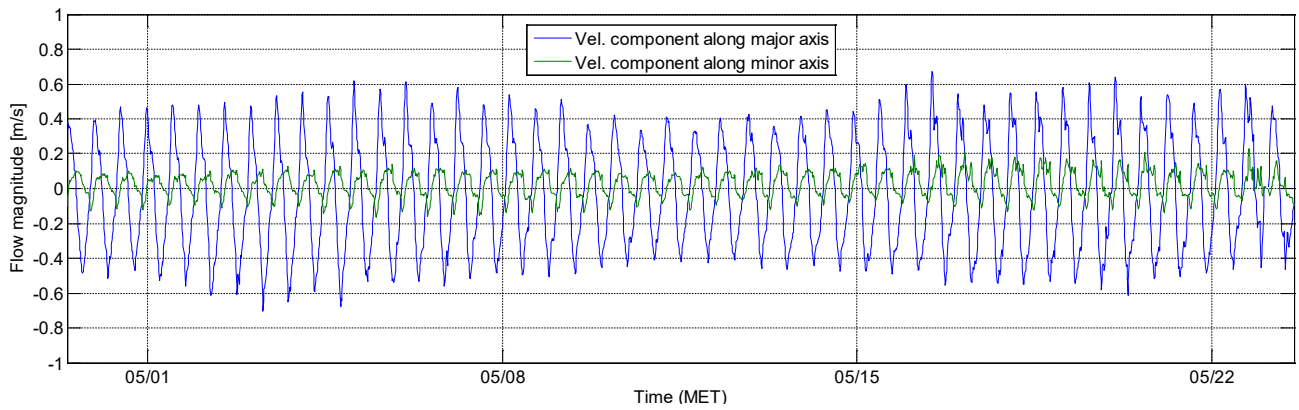


Figure 385 - Tripod deployment MOW1 (ADV): April - May 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.0°, dev=1.41°

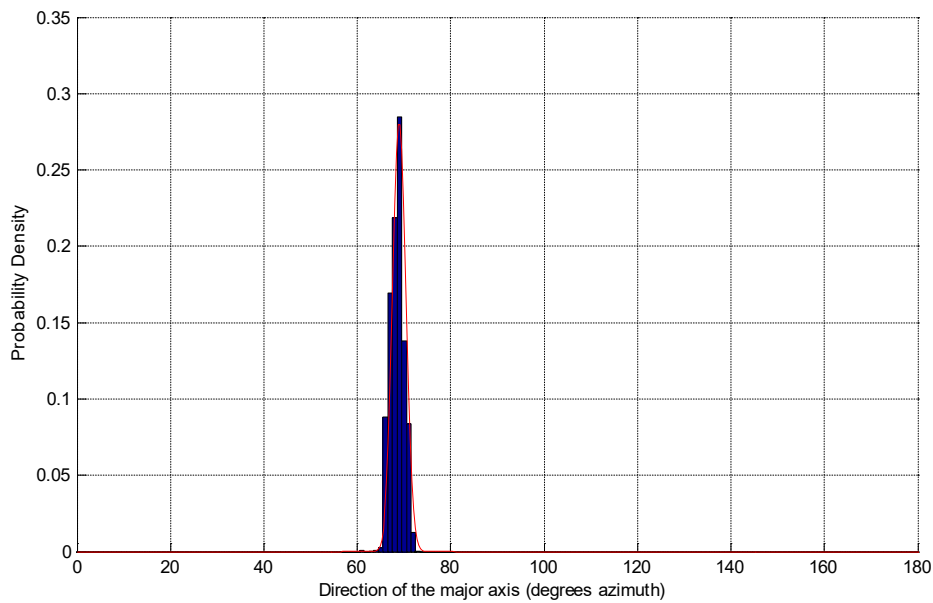
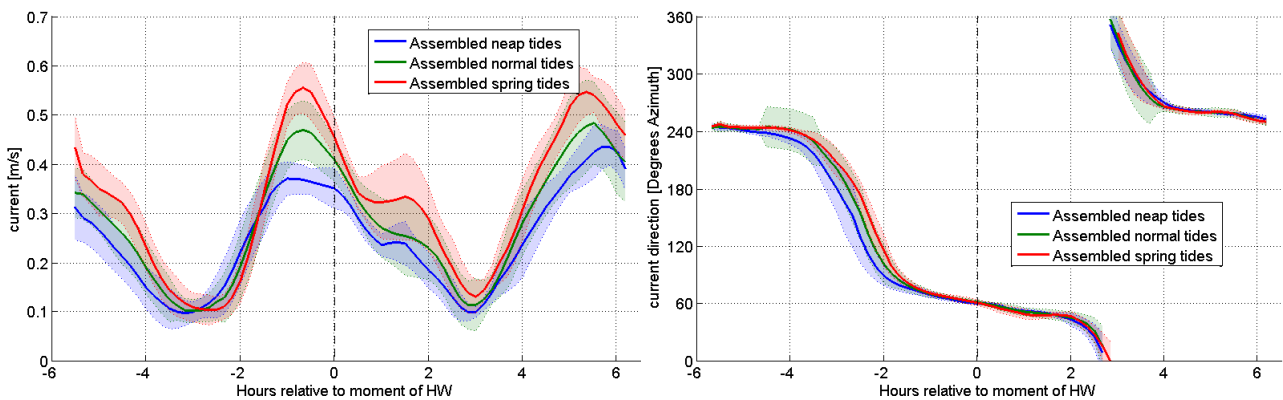


Figure 386 - Tripod deployment MOW1 (ADV): 29/04/2011 - 23/05/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.25 Tripod deployment MOW1 (ADV): May - July 2011

Figure 387 - Tripod deployment MOW1 (ADV): May - July 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

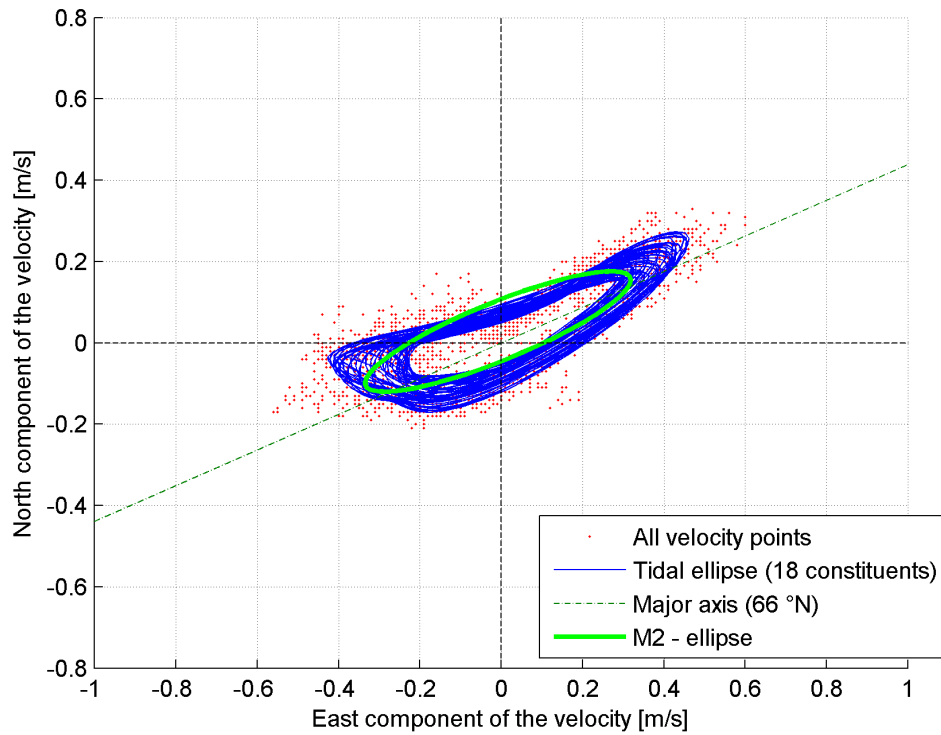


Figure 388 - Tripod deployment MOW1 (ADV): May - July 2011 - East and North velocity components [m/s] at 0.18mab

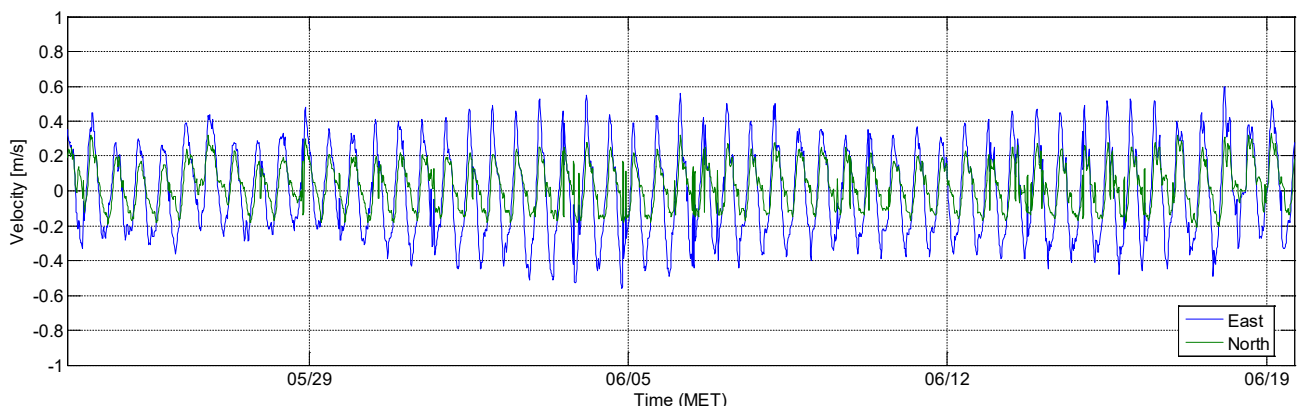


Figure 389 - Tripod deployment MOW1 (ADV): May - July 2011 - Flow decomposed along the estimated major axis (66°N) [m/s] at 0.18mab

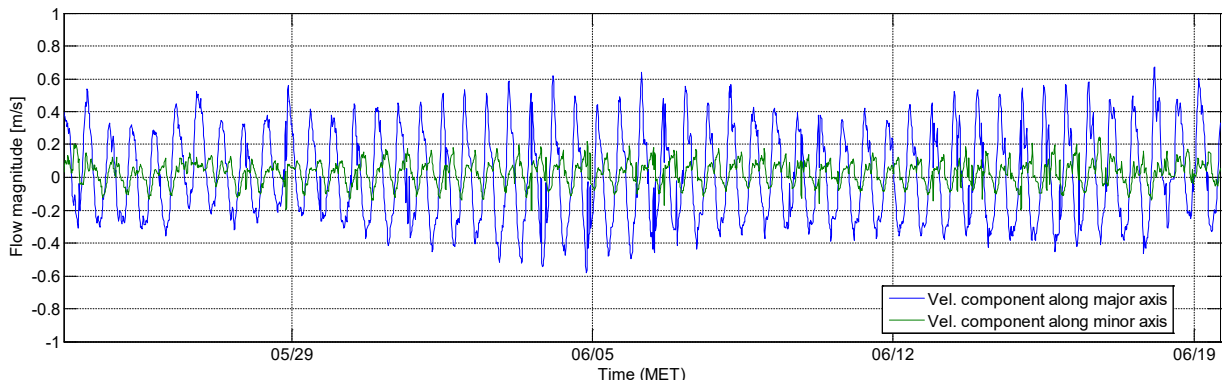


Figure 390 - Tripod deployment MOW1 (ADV): May - July 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.0°, dev=1.36°

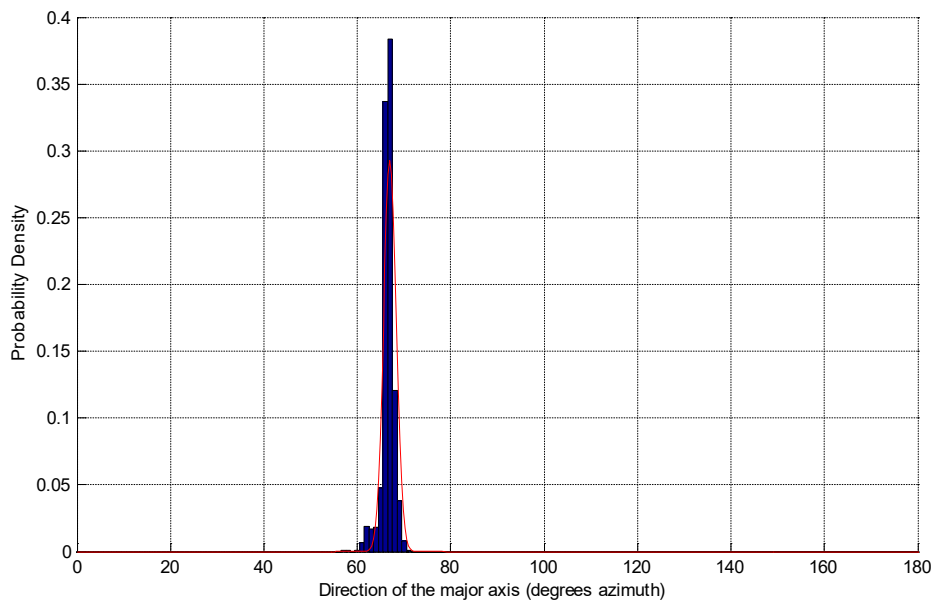
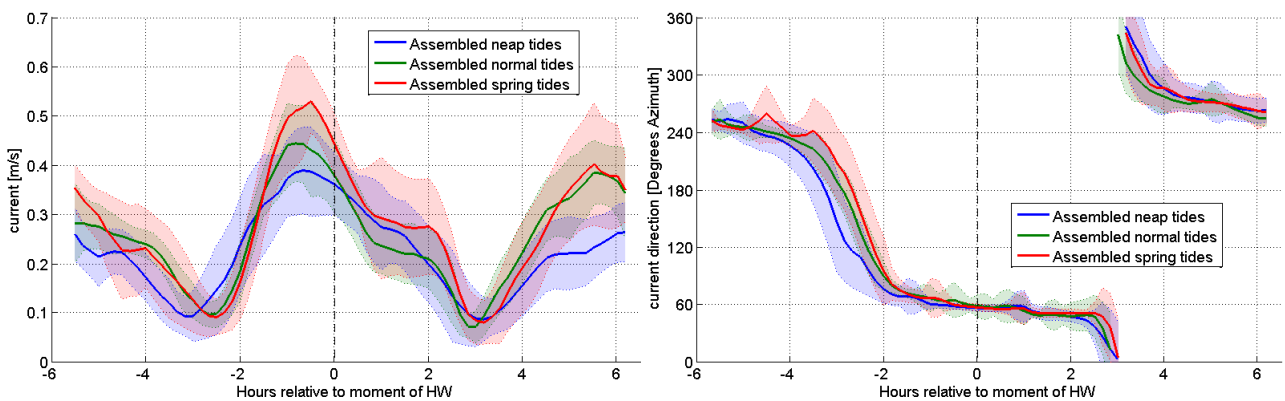


Figure 391 - Tripod deployment MOW1 (ADV): 23/05/2011 - 11/07/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.26 Tripod deployment MOW1 (ADV): July - August 2011

Figure 392 - Tripod deployment MOW1 (ADV): July - August 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

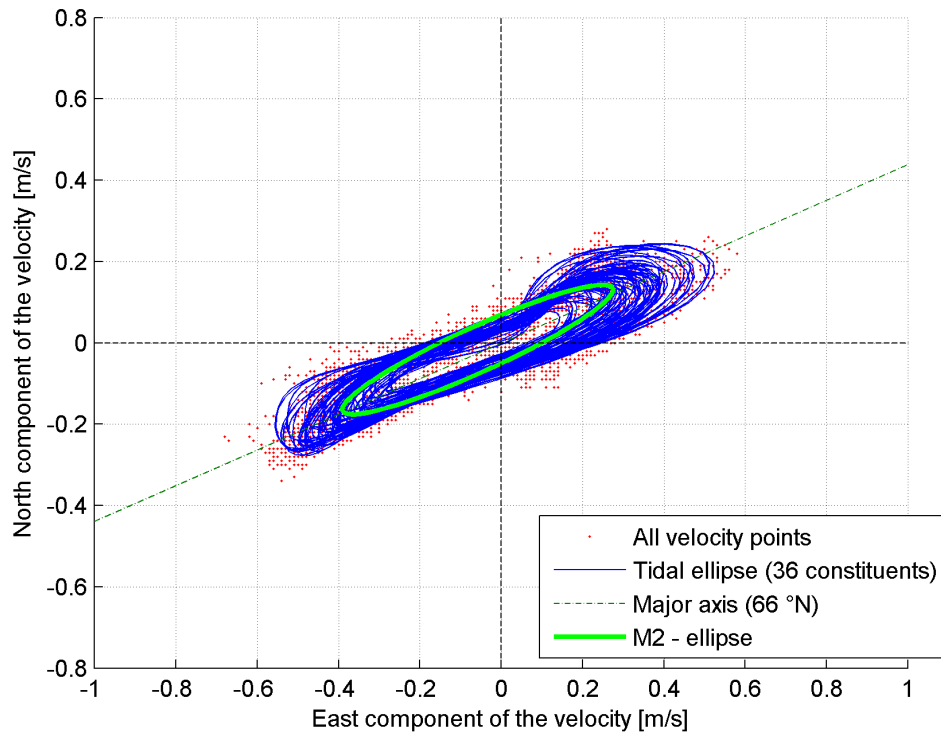


Figure 393 - Tripod deployment MOW1 (ADV): July - August 2011 - East and North velocity components [m/s] at 0.18mab

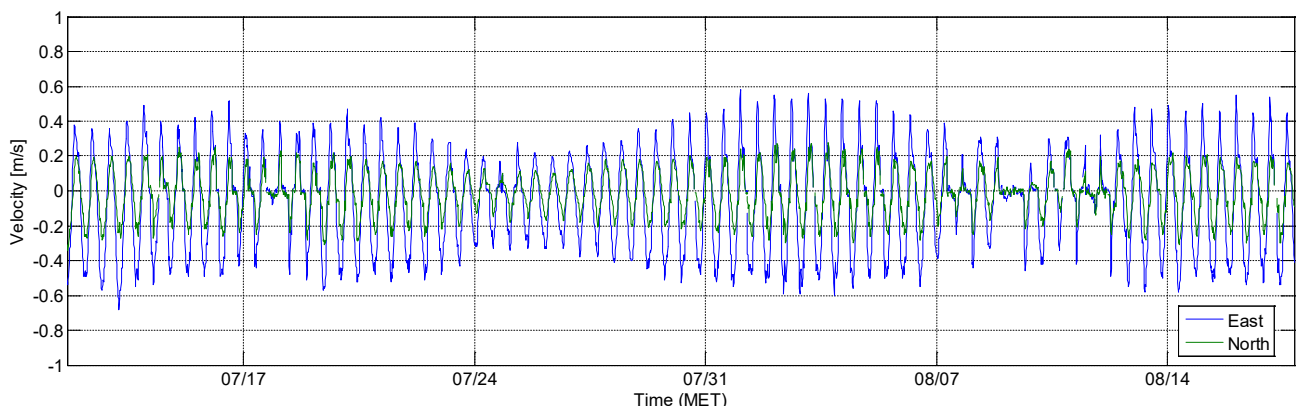


Figure 394 - Tripod deployment MOW1 (ADV): July - August 2011 - Flow decomposed along the estimated major axis (66°N) [m/s] at 0.18mab

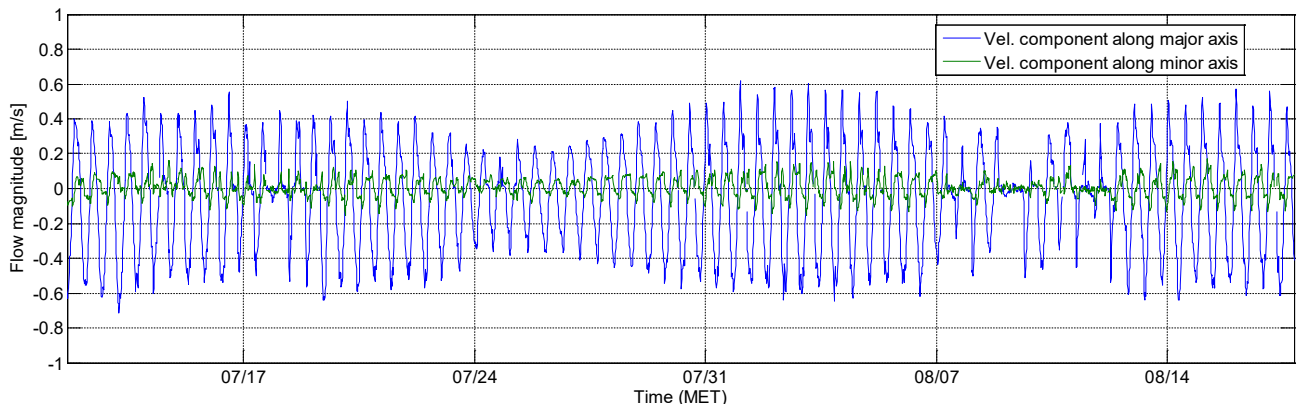


Figure 395 - Tripod deployment MOW1 (ADV): July - August 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=66.6°, dev=0.66°

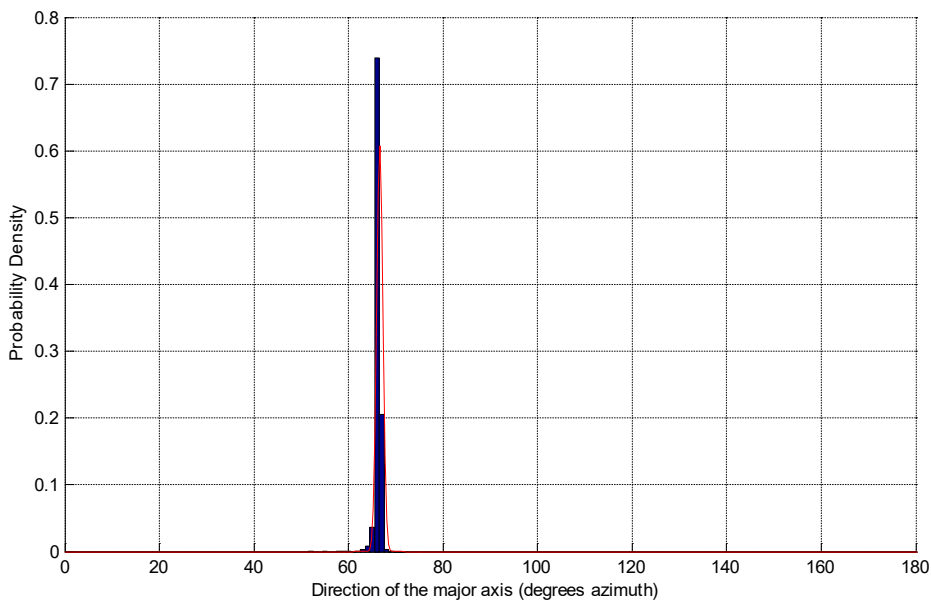
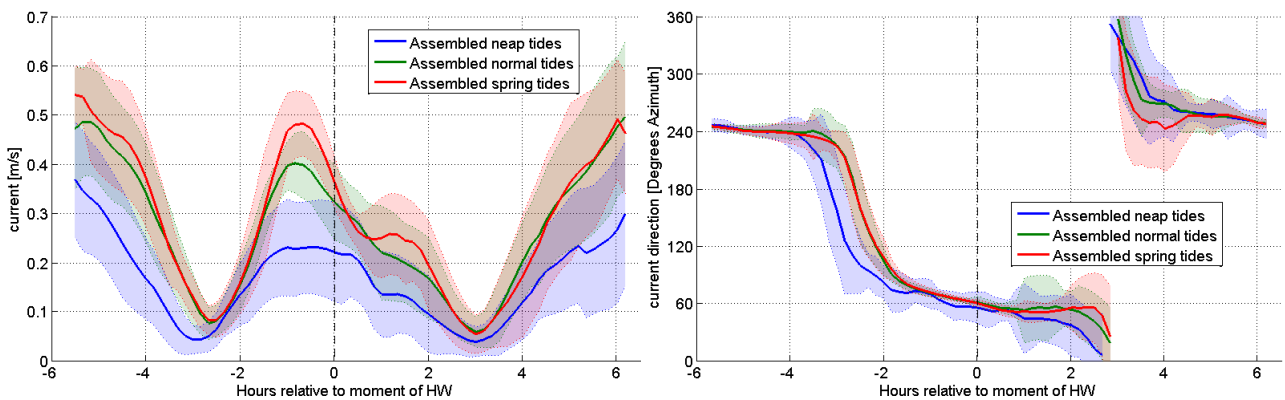


Figure 396 - Tripod deployment MOW1 (ADV): 11/07/2011 - 18/08/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.27 Tripod deployment MOW1 (ADV): August - September 2011

Figure 397 - Tripod deployment MOW1 (ADV): August - September 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

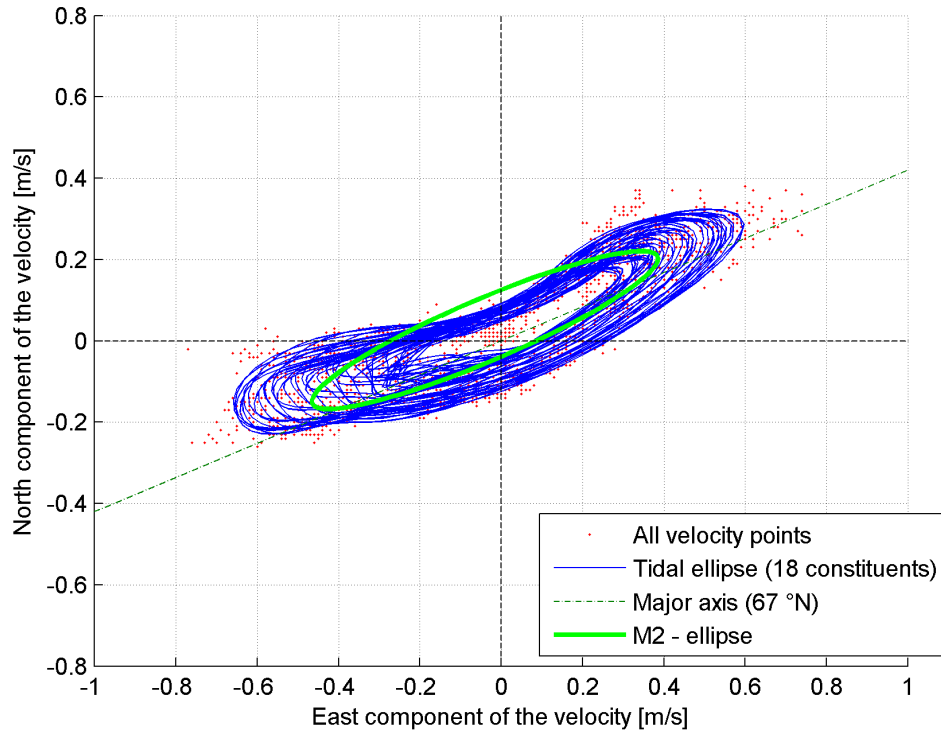


Figure 398 - Tripod deployment MOW1 (ADV): August - September 2011 - East and North velocity components [m/s] at 0.18mab

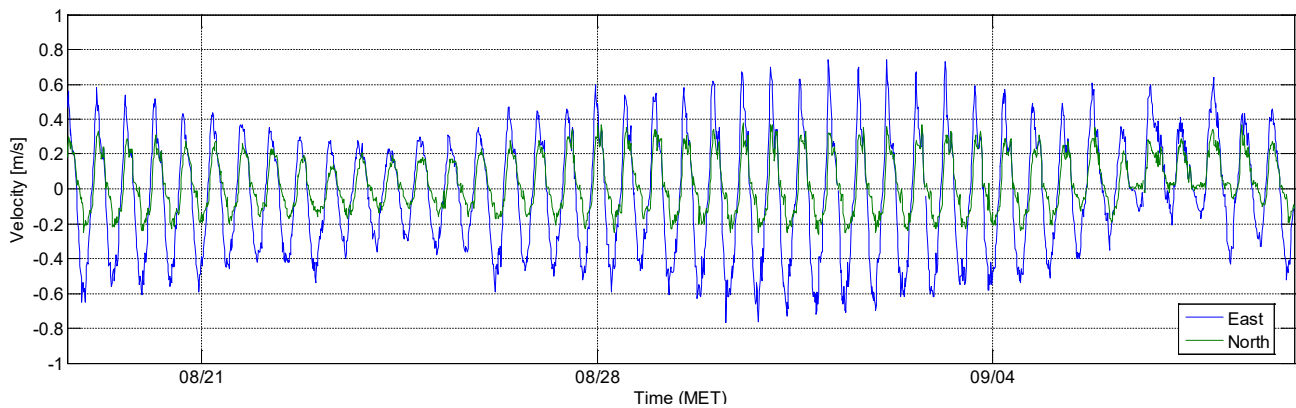


Figure 399 - Tripod deployment MOW1 (ADV): August - September 2011 - Flow decomposed along the estimated major axis (67°N) [m/s] at 0.18mab

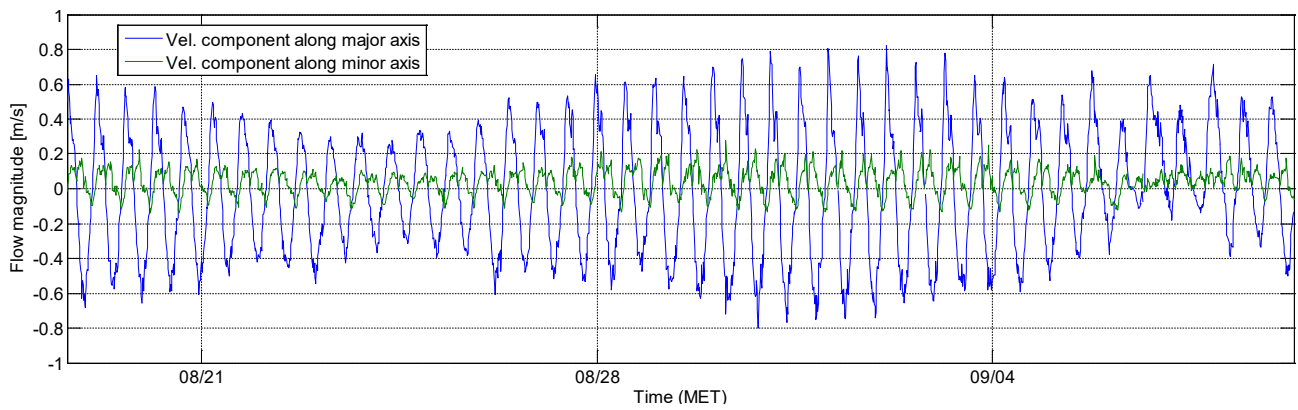


Figure 400 - Tripod deployment MOW1 (ADV): August - September 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.5°, dev=1.09°

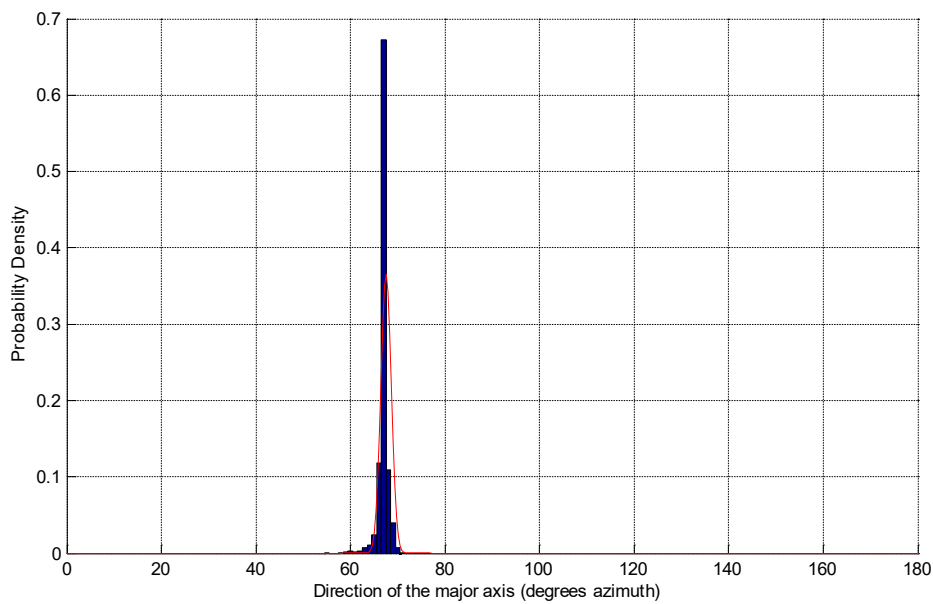
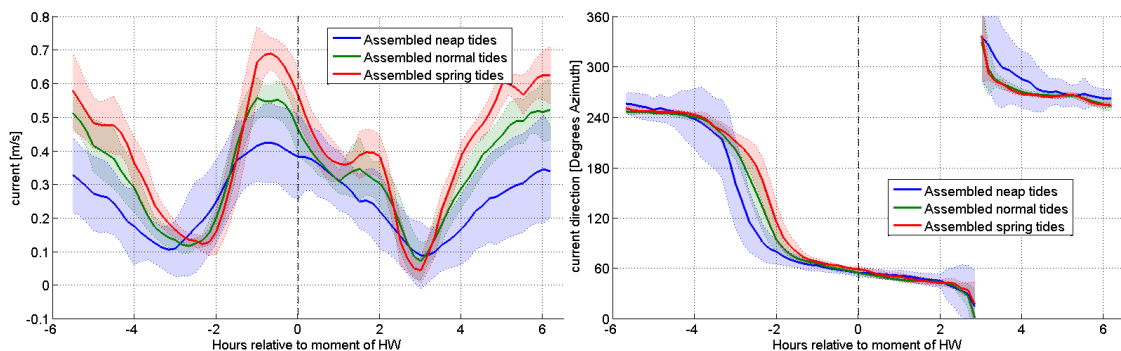


Figure 401 - Tripod deployment MOW1 (ADV): 18/08/2011 - 09/09/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.28 Tripod deployment MOW1 (ADV): September - October 2011

Figure 402 - Tripod deployment MOW1 (ADV): September - October 2011 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

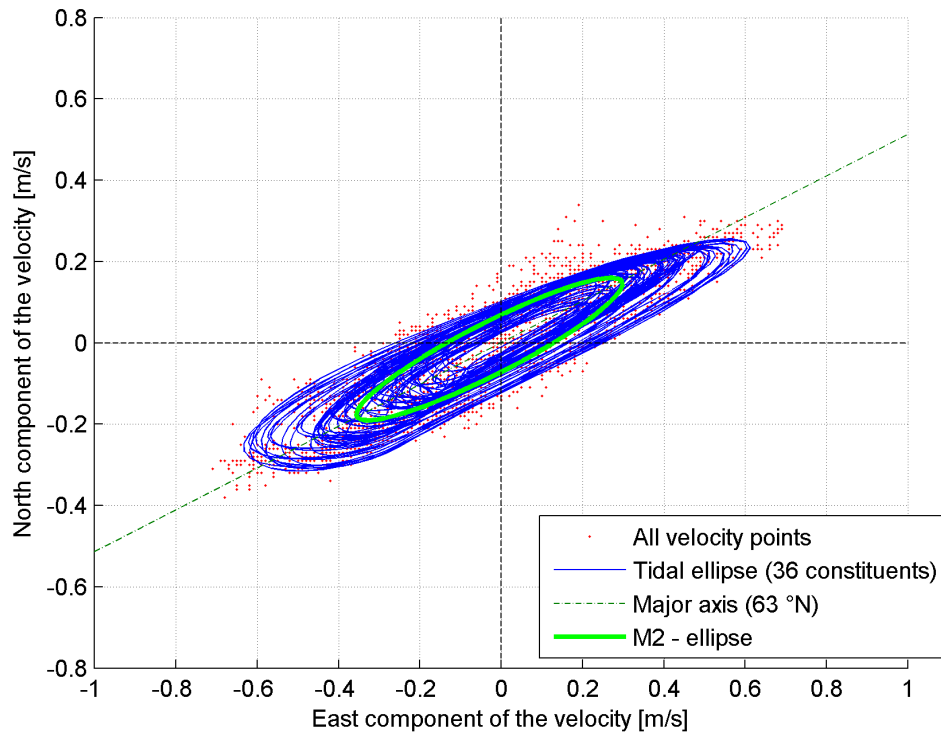


Figure 403 - Tripod deployment MOW1 (ADV): September - October 2011 - East and North velocity components [m/s] at 0.18mab

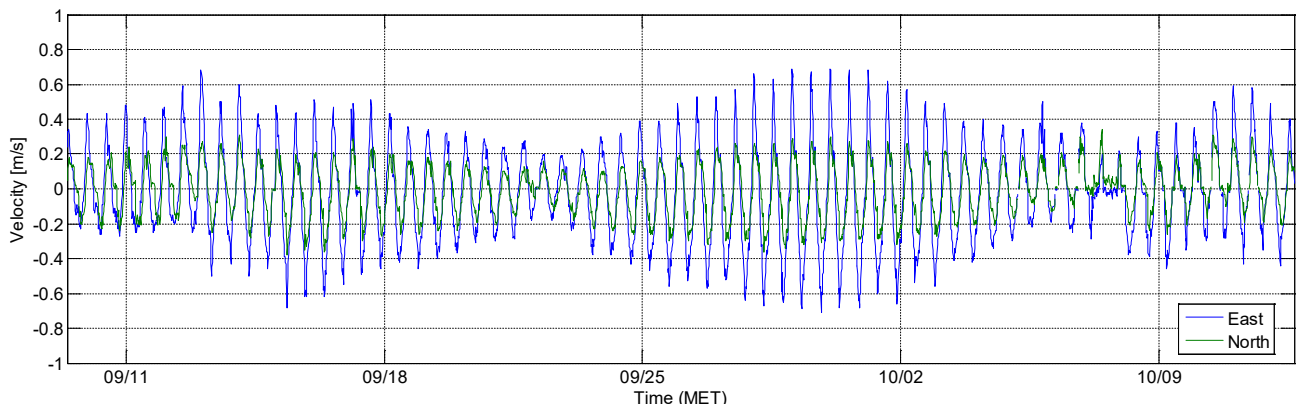


Figure 404 - Tripod deployment MOW1 (ADV): September - October 2011 - Flow decomposed along the estimated major axis (63°N) [m/s] at 0.18mab

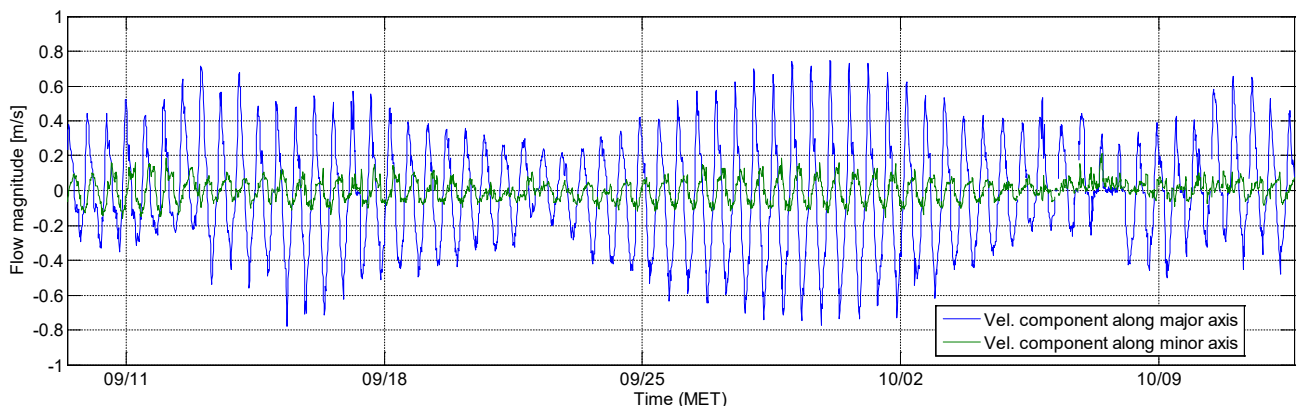


Figure 405 - Tripod deployment MOW1 (ADV): September - October 2011 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.1°, dev=1.03°

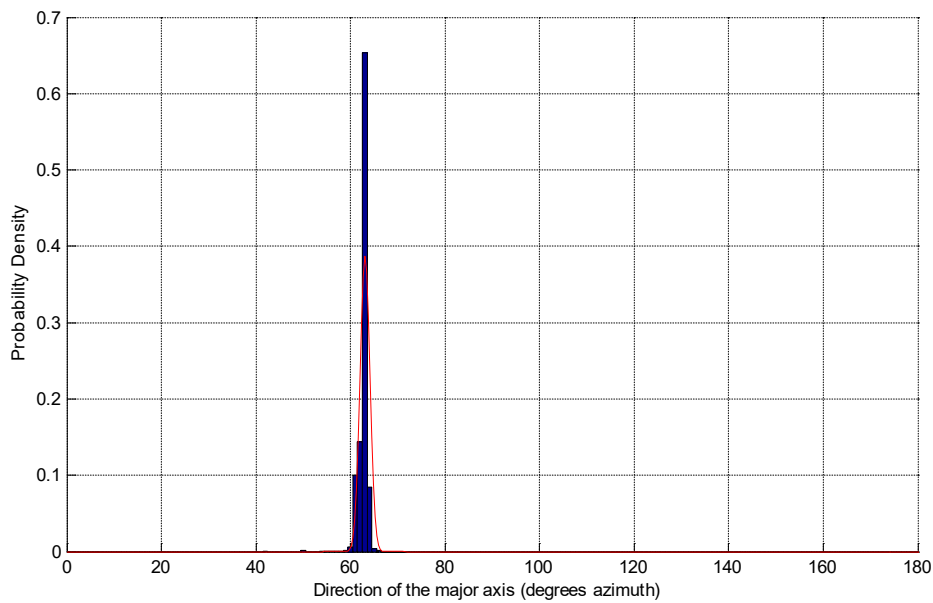
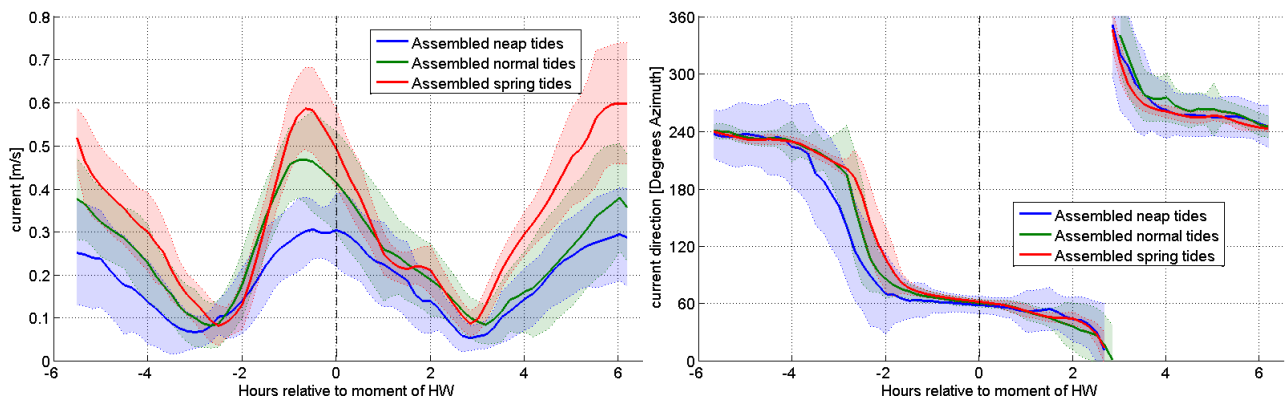


Figure 406 - Tripod deployment MOW1 (ADV): 09/09/2011 - 12/10/2011 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.29 Tripod deployment MOW1 (ADV): November 2011 - February 2012

Figure 407 - Tripod deployment MOW1 (ADV): November 2011 - February 2012 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

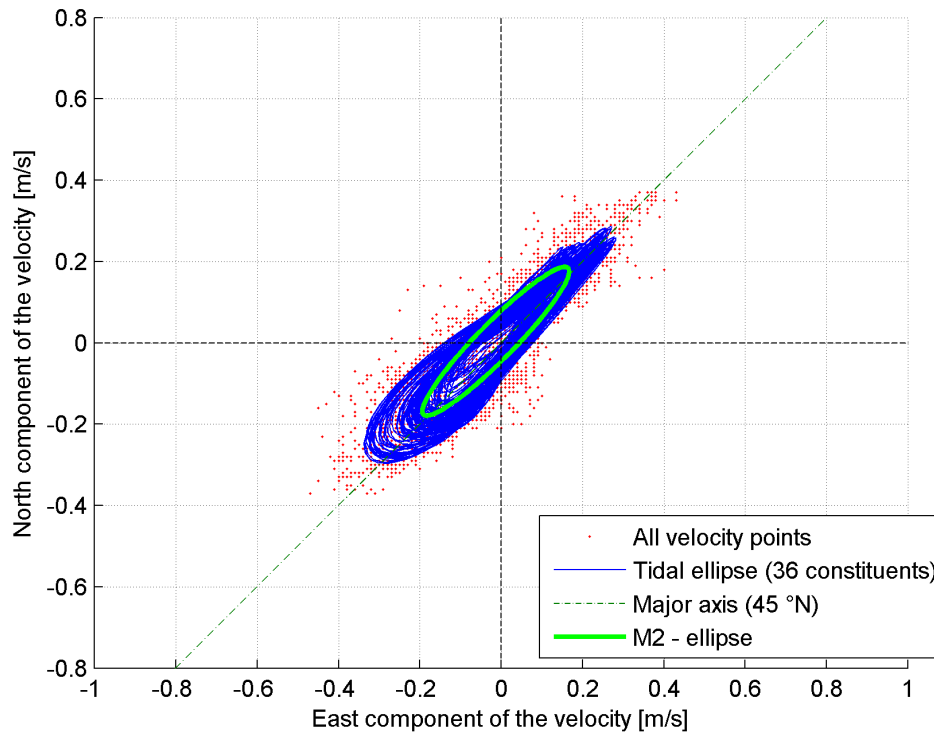


Figure 408 - Tripod deployment MOW1 (ADV): November 2011 - February 2012 - East and North velocity components [m/s] at 0.18mab

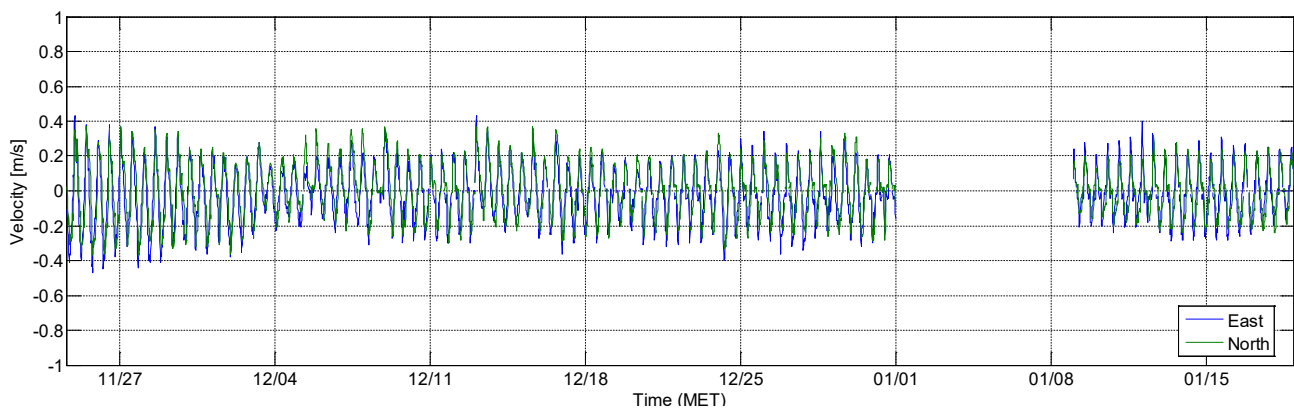


Figure 409 - Tripod deployment MOW1 (ADV): November 2011 - February 2012 - Flow decomposed along the estimated major axis (45°N) [m/s] at 0.18mab

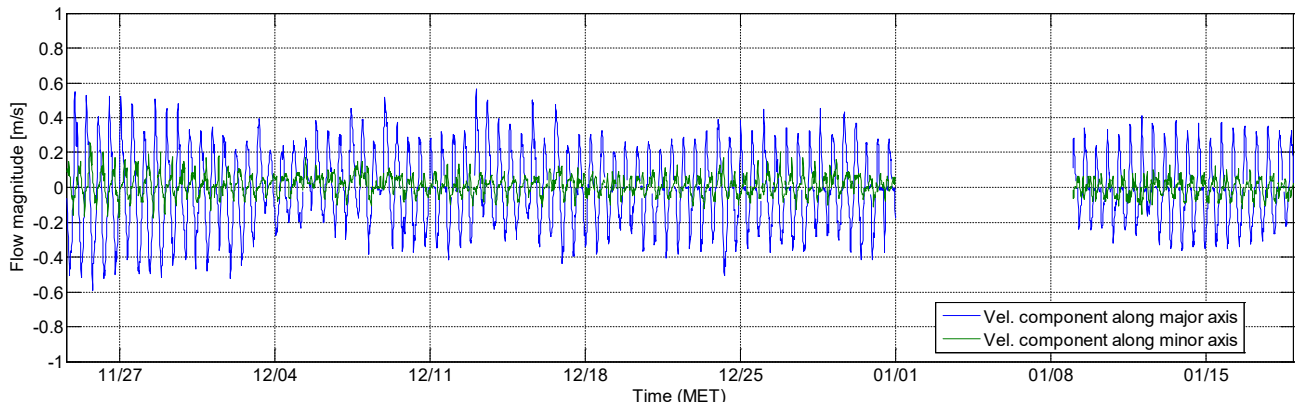


Figure 410 - Tripod deployment MOW1 (ADV): November 2011 - February 2012 - Probability density of major axis direction. Number of bootstrap samples: 2480, sample length: random number of tidal cycles), normal fit: mean=42.4°, dev=3.56°

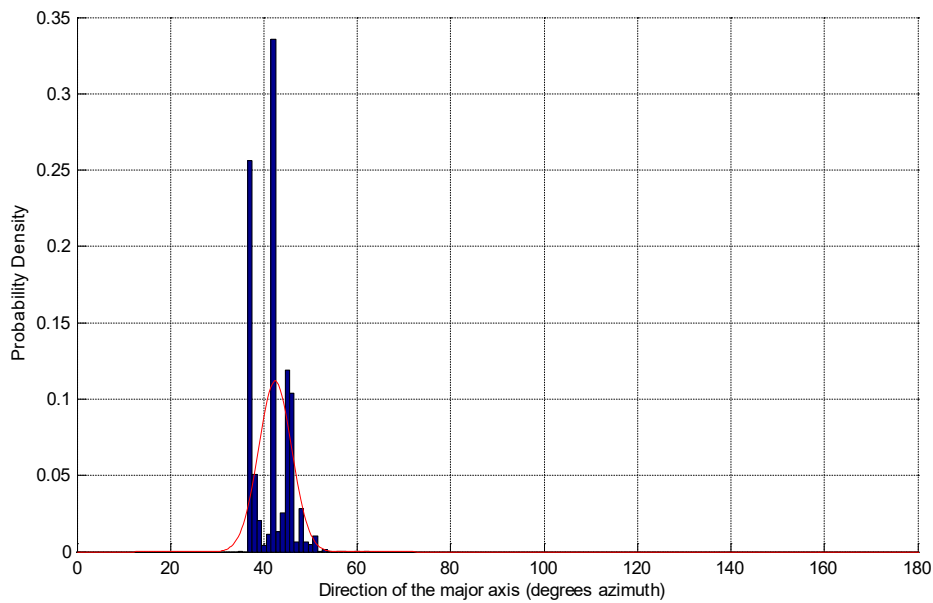
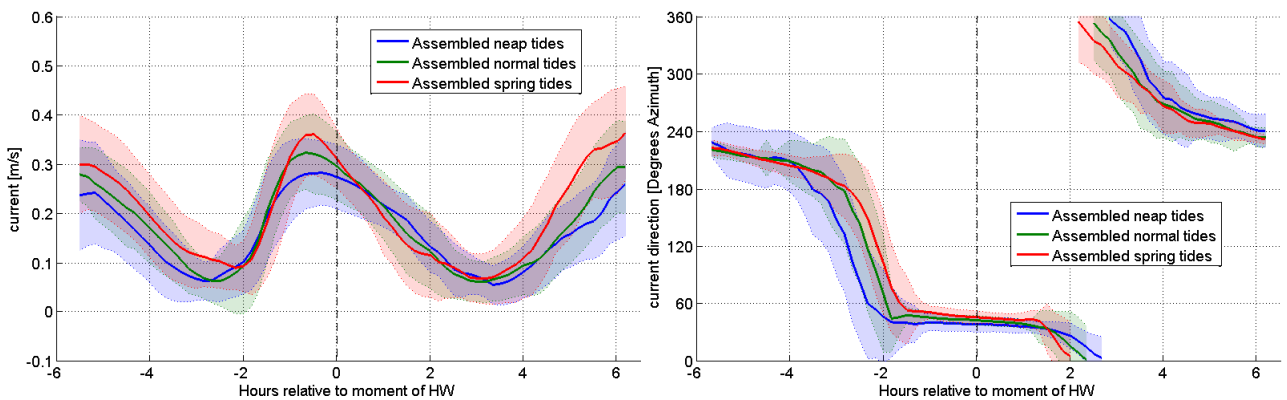


Figure 411 - Tripod deployment MOW1 (ADV): 24/11/2011 - 03/02/2012 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.30 Tripod deployment MOW1 (ADV): March - April 2012

Figure 412 - Tripod deployment MOW1 (ADV): March - April 2012 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

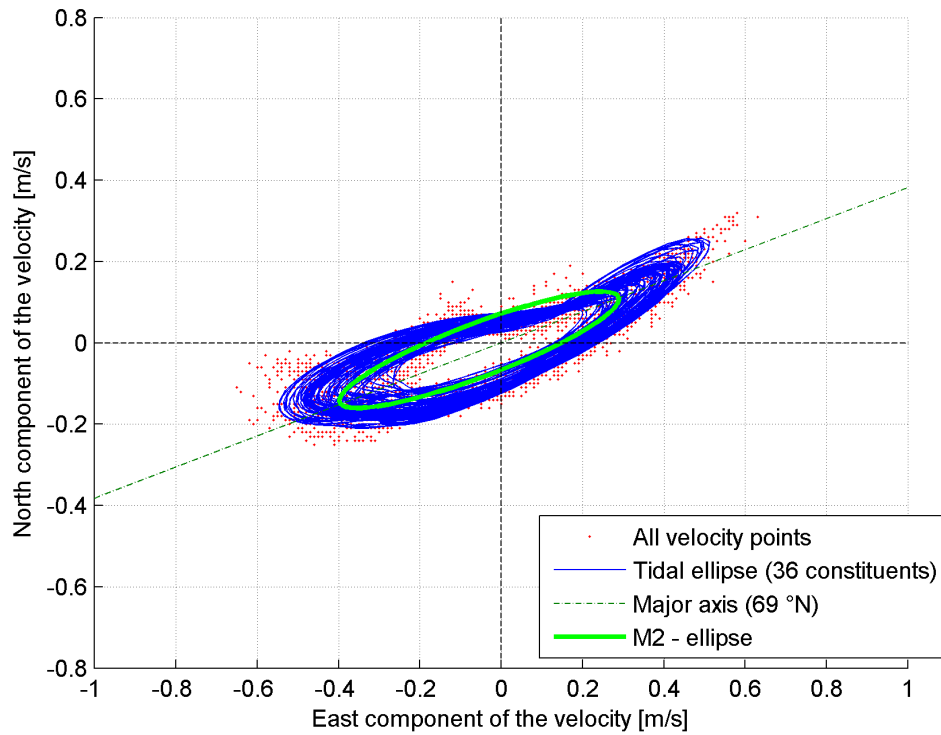


Figure 413 - Tripod deployment MOW1 (ADV): March - April 2012 - East and North velocity components [m/s] at 0.18mab

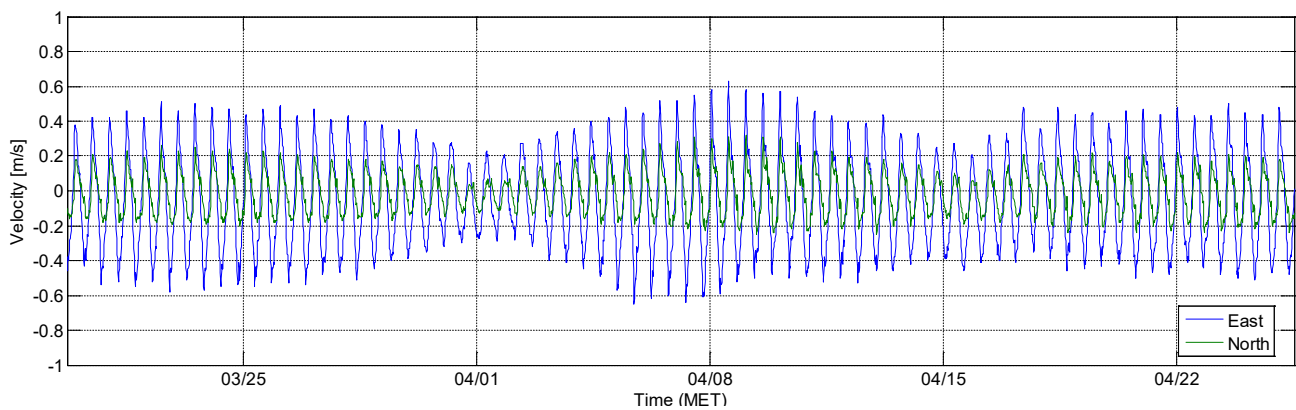


Figure 414 - Tripod deployment MOW1 (ADV): March - April 2012 - Flow decomposed along the estimated major axis (69°N) [m/s] at 0.18mab

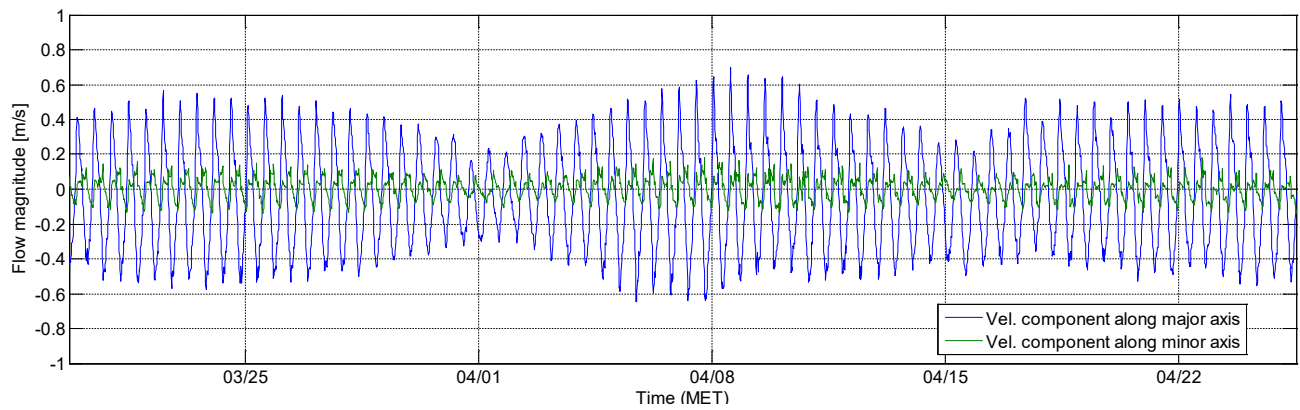
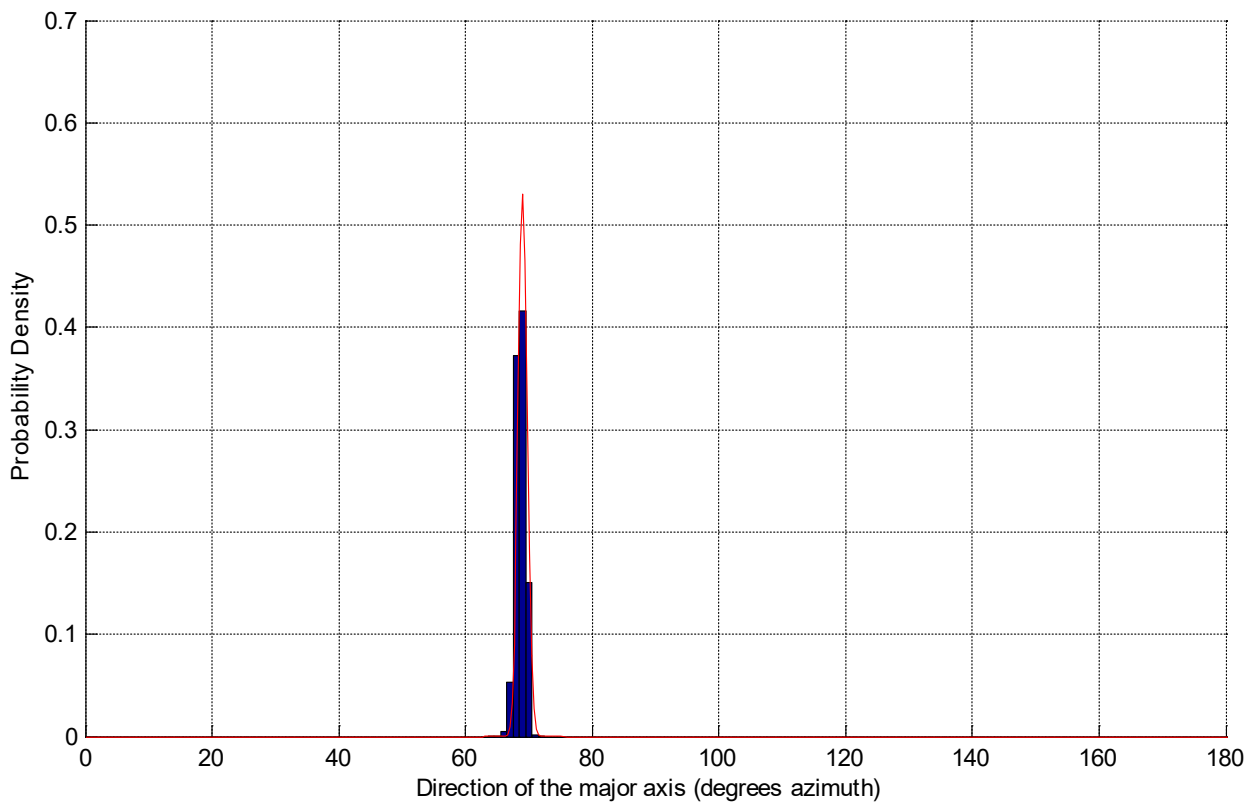


Figure 415 - Tripod deployment MOW1 (ADV): March - April 2012 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=69.1°, dev=0.75°



E.2.31 Tripod deployment MOW1 (ADV): June - August 2012

Figure 416 - Tripod deployment MOW1 (ADV): June - August 2012 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

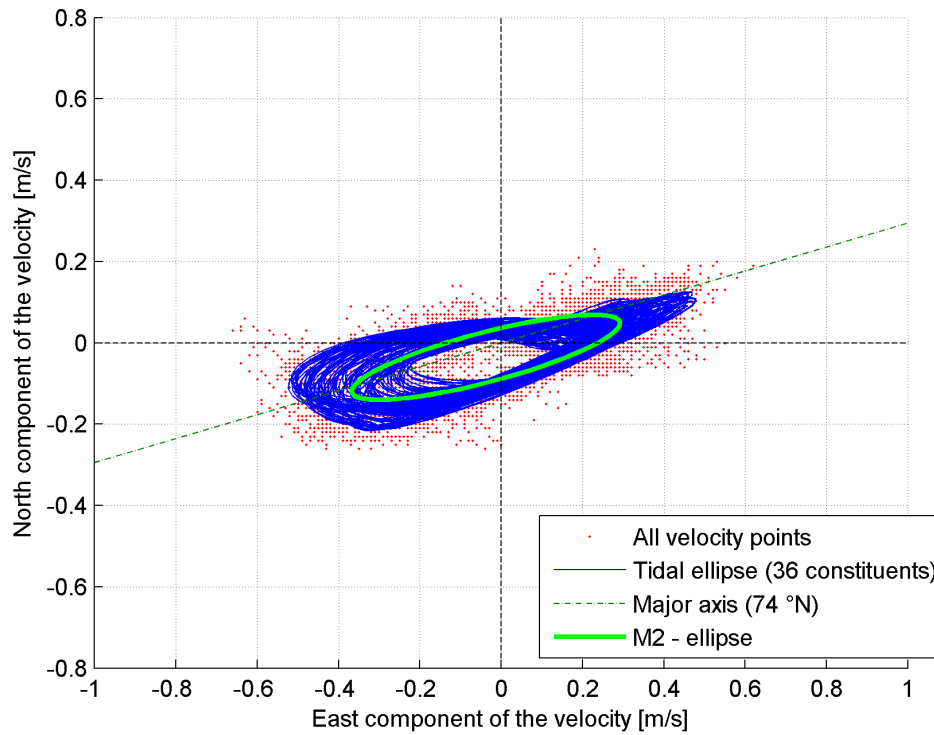


Figure 417 - Tripod deployment MOW1 (ADV): June - August 2012 - East and North velocity components [m/s] at 0.18mab

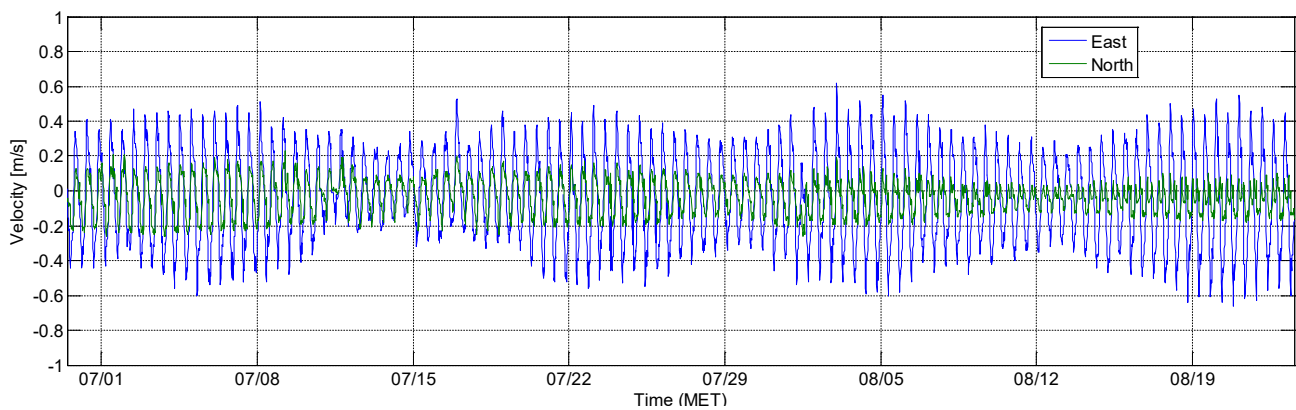


Figure 418 - Tripod deployment MOW1 (ADV): June - August 2012 - Flow decomposed along the estimated major axis (74°N) [m/s] at 0.18mab

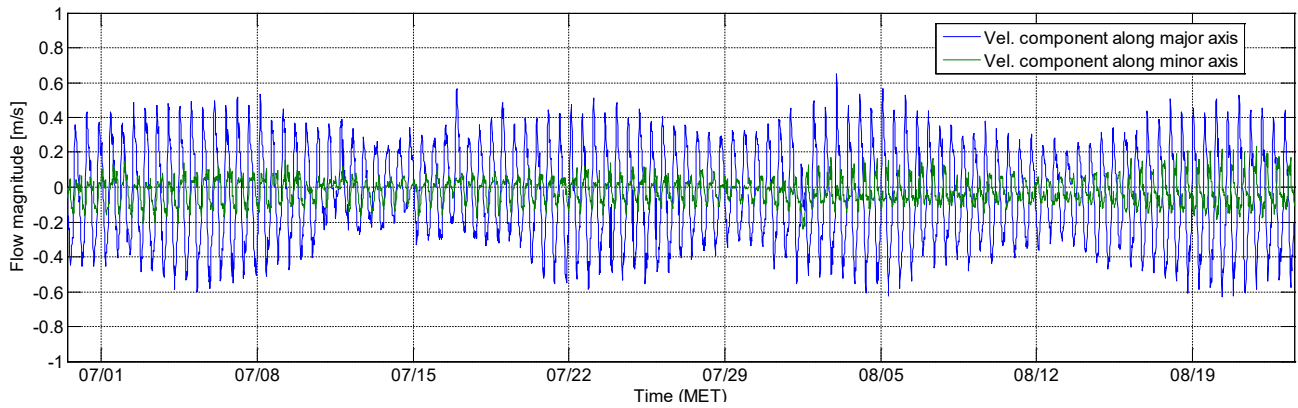
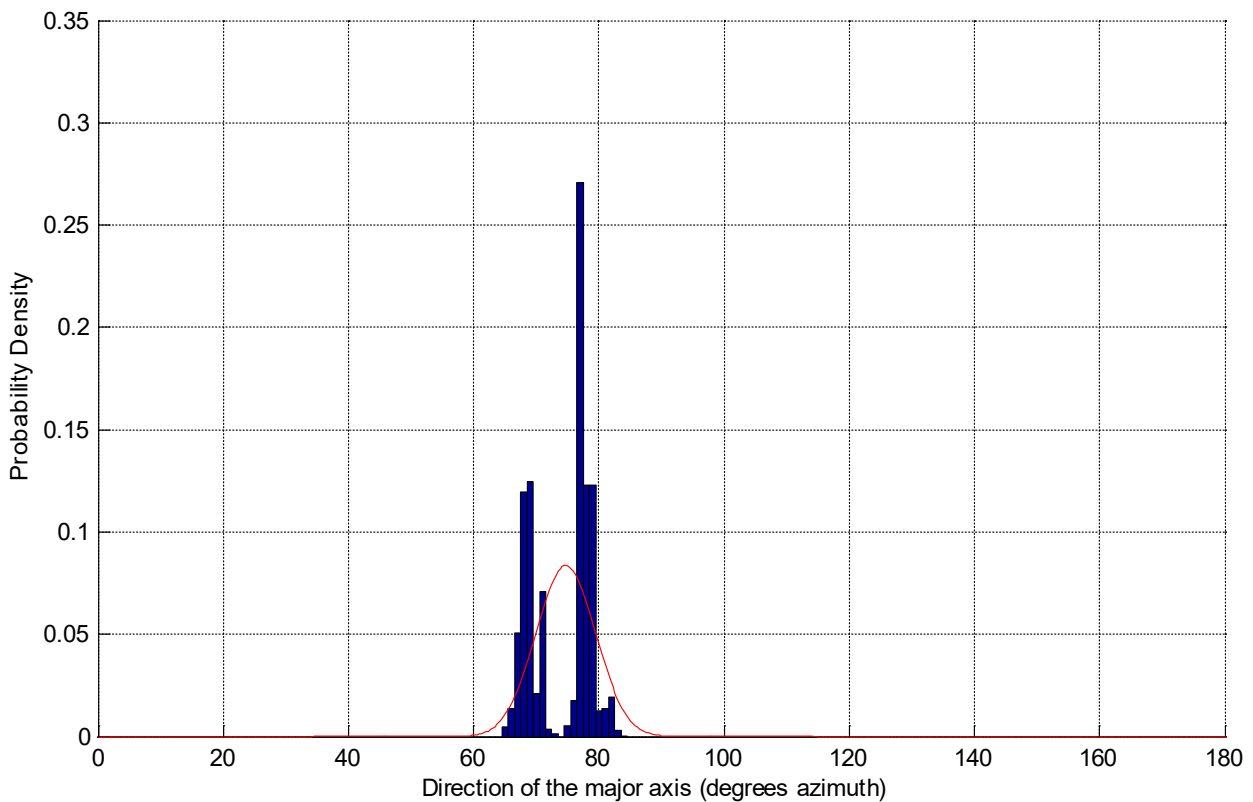


Figure 419 - Tripod deployment MOW1 (ADV): June - August 2012 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=74.7°, dev=4.77°



E.2.32 Tripod deployment MOW1 (ADV): December 2012 - January 2013

Figure 420 - Tripod deployment MOW1 (ADV): December 2012 - January 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

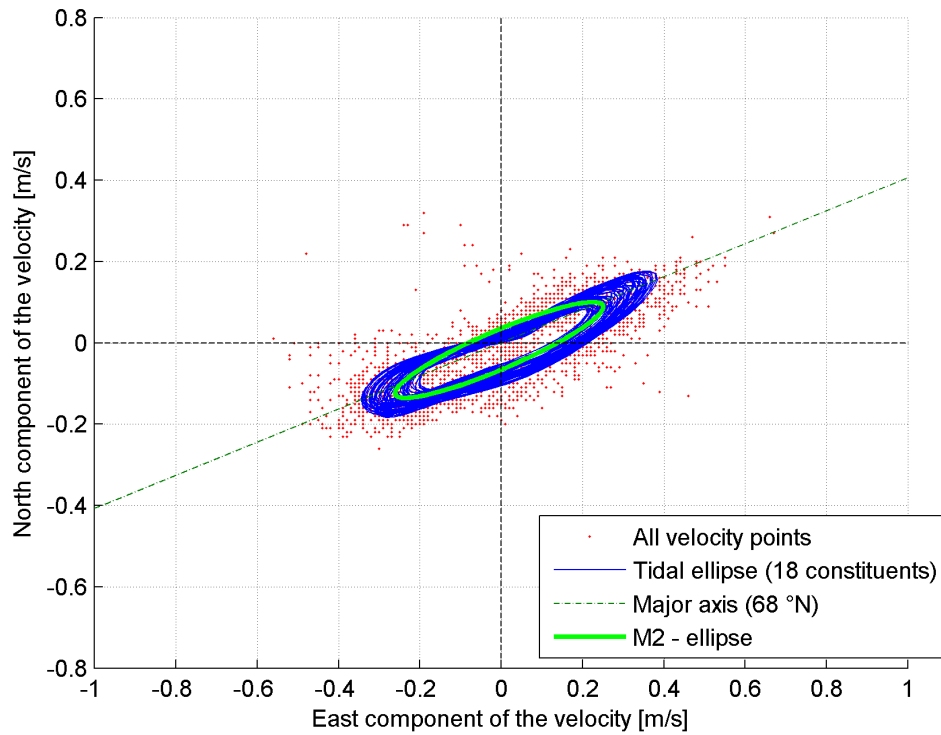


Figure 421 - Tripod deployment MOW1 (ADV): December 2012 - January 2013 - East and North velocity components [m/s] at 0.18mab

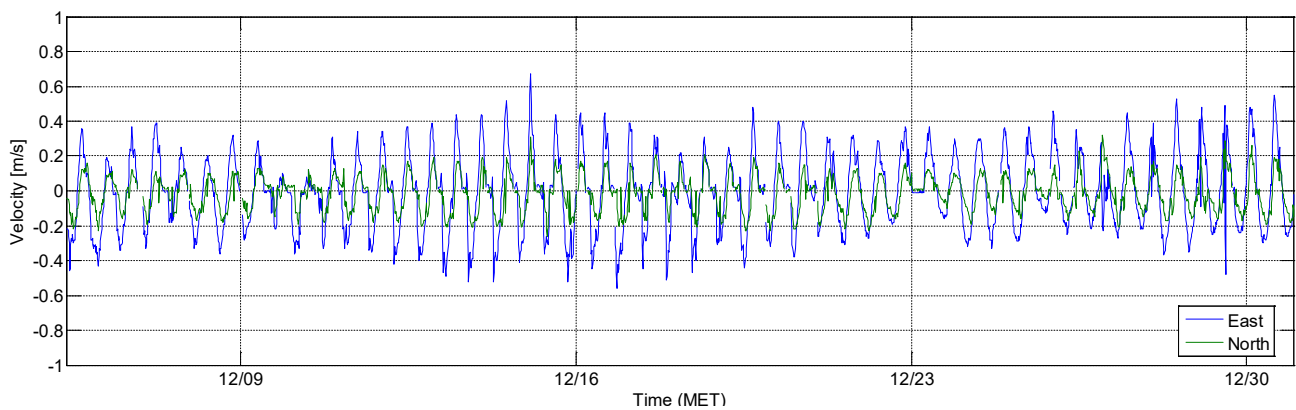


Figure 422 - Tripod deployment MOW1 (ADV): December 2012 - January 2013 - Flow decomposed along the estimated major axis (68°N) [m/s] at 0.18mab

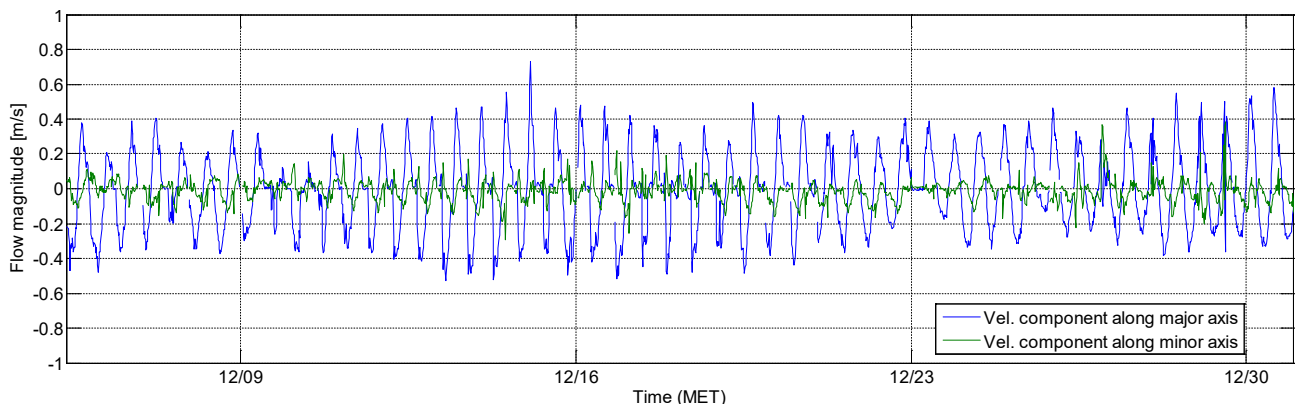


Figure 423 - Tripod deployment MOW1 (ADV): December 2012 - January 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.5°, dev=2.39°

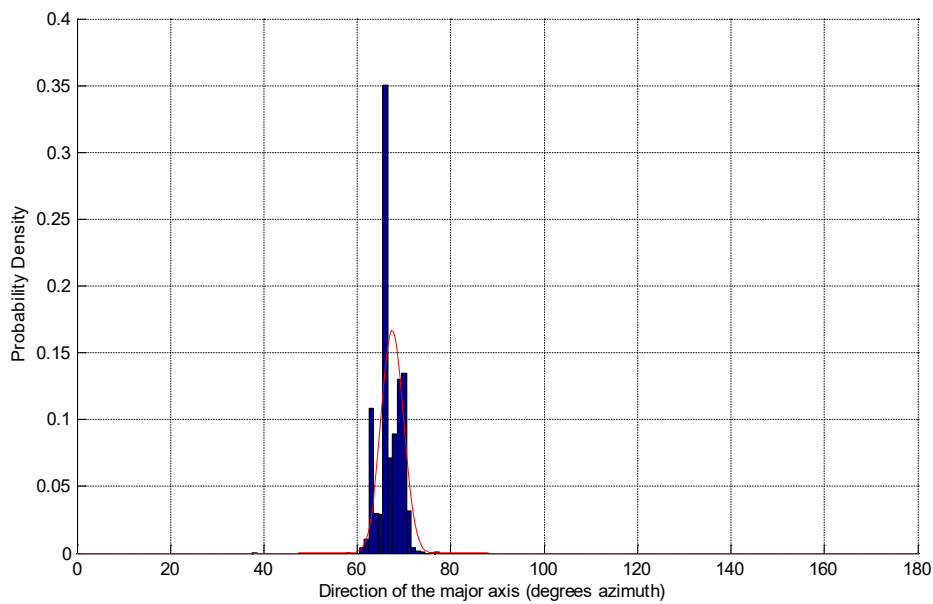
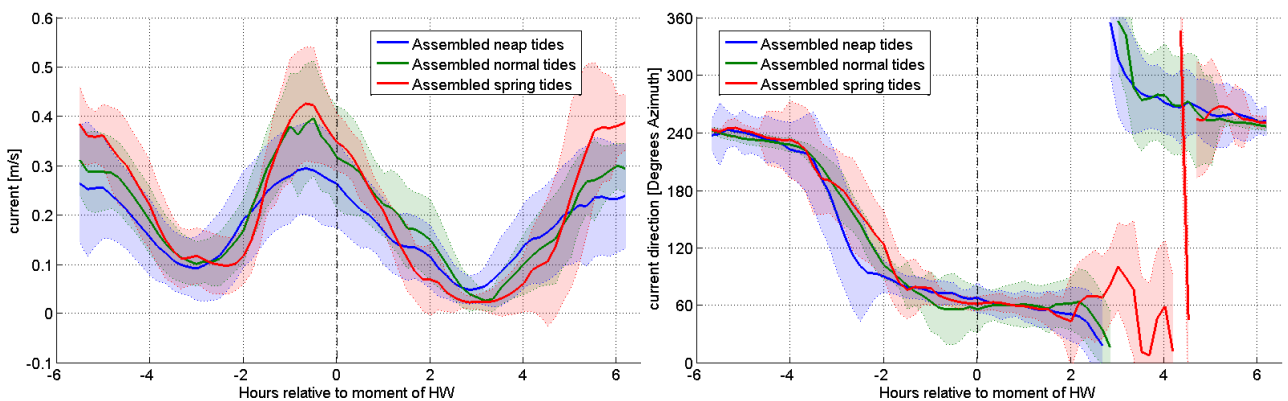


Figure 424 - Tripod deployment MOW1 (ADV): 05/12/2012 - 01/01/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.33 Tripod deployment MOW1 (ADV): January - March 2013

Figure 425 - Tripod deployment MOW1 (ADV): January - March 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

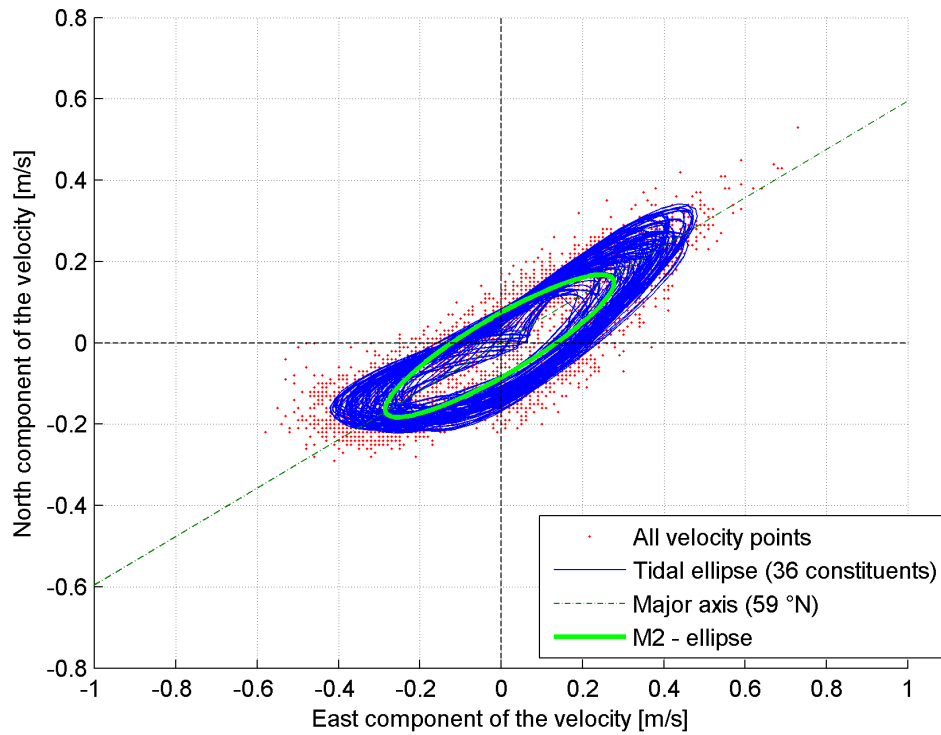


Figure 426 - Tripod deployment MOW1 (ADV): January - March 2013 - East and North velocity components [m/s] at 0.18mab

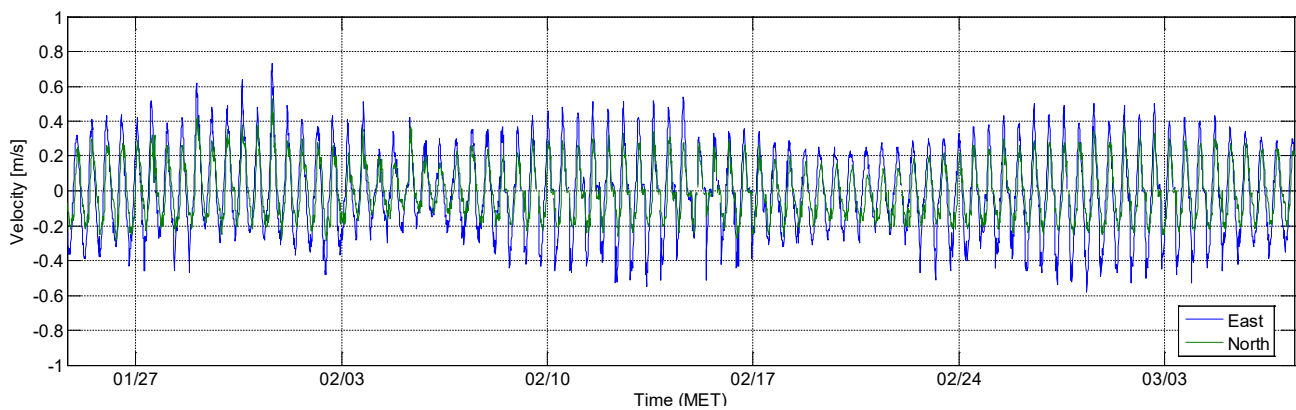


Figure 427 - Tripod deployment MOW1 (ADV): January - March 2013 - Flow decomposed along the estimated major axis (59°N) [m/s] at 0.18mab

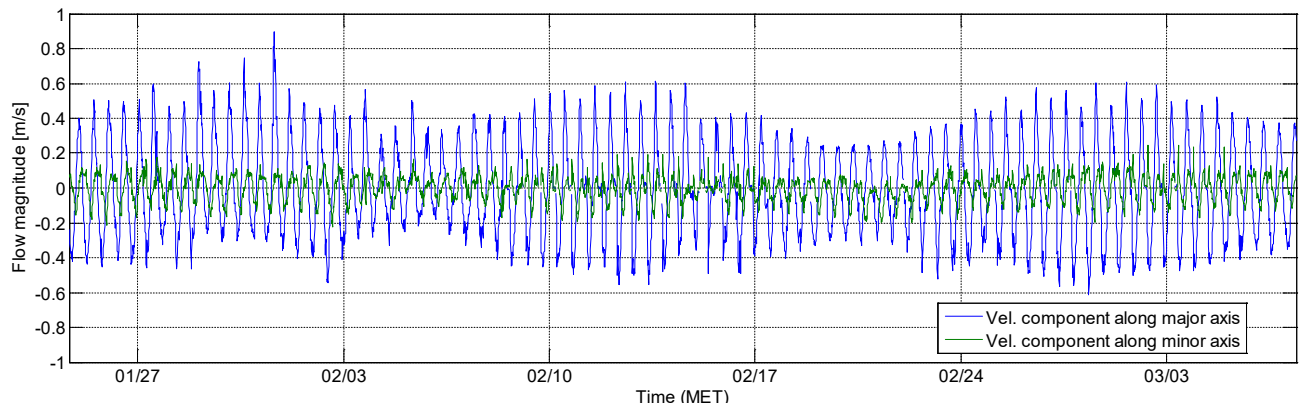
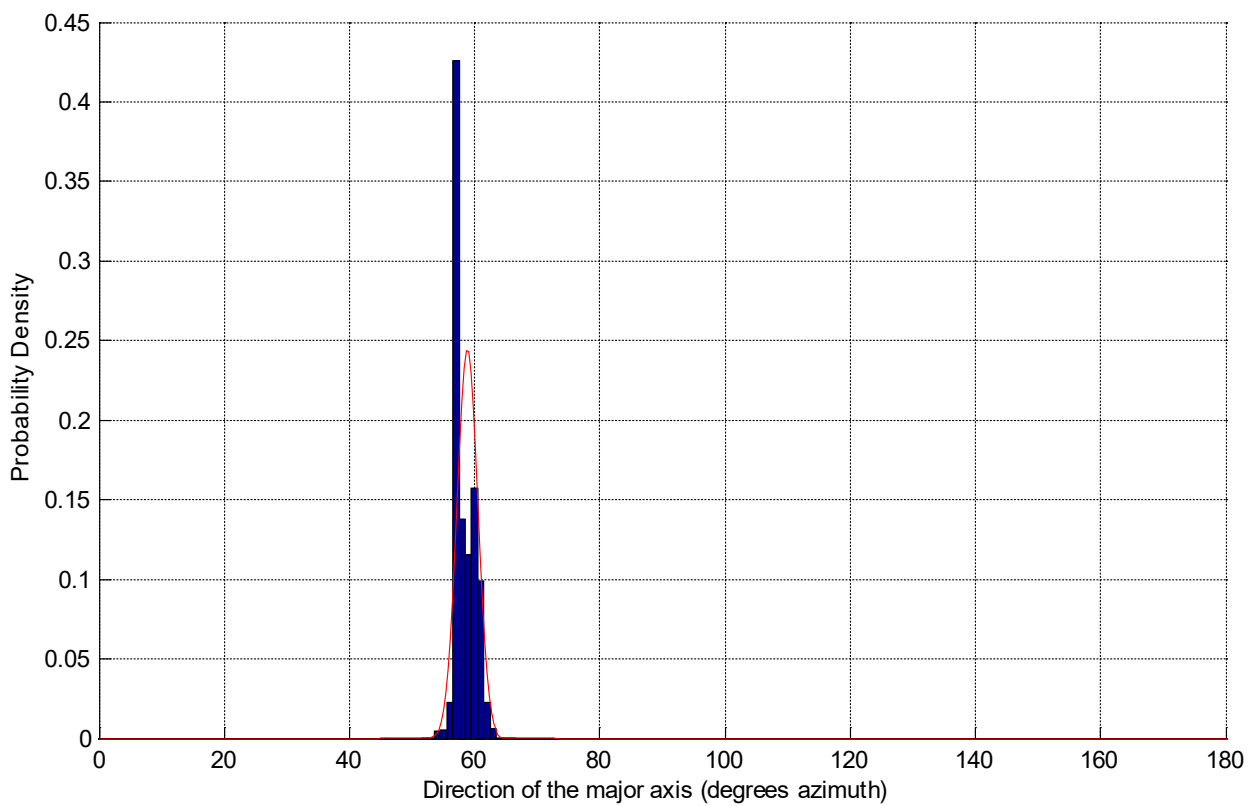


Figure 428 - Tripod deployment MOW1 (ADV): January - March 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=58.8°, dev=1.63°



E.2.34 Tripod deployment MOW1 (ADV): March 2013

Figure 429 - Tripod deployment MOW1 (ADV): March 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

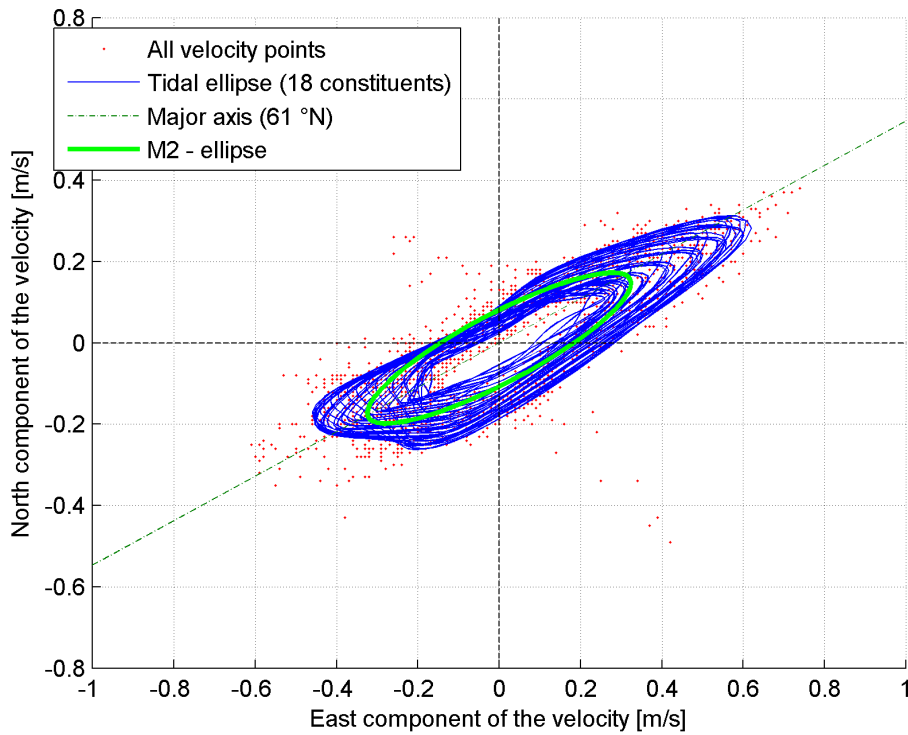


Figure 430 - Tripod deployment MOW1 (ADV): March 2013 - East and North velocity components [m/s] at 0.18mab

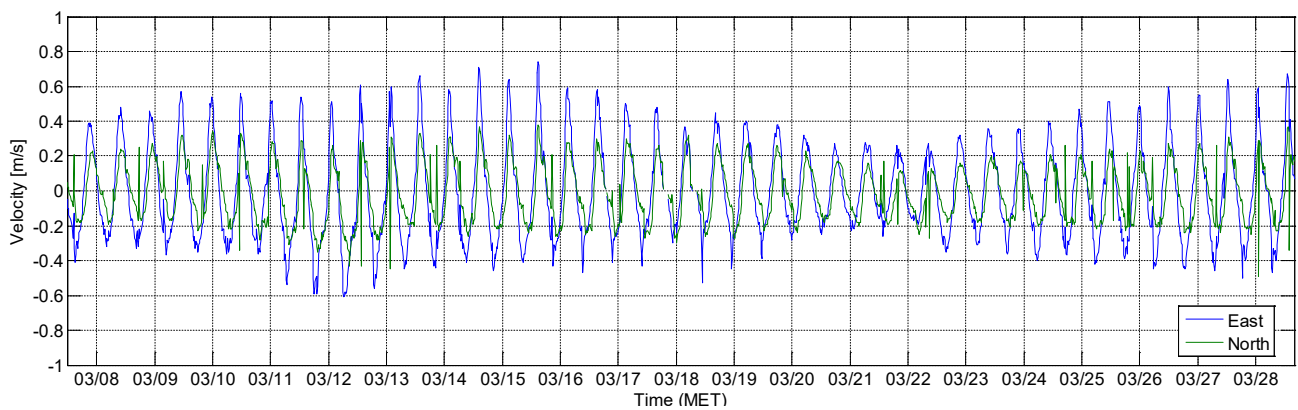


Figure 431 - Tripod deployment MOW1 (ADV): March 2013 - Flow decomposed along the estimated major axis (61°N) [m/s] at 0.18mab

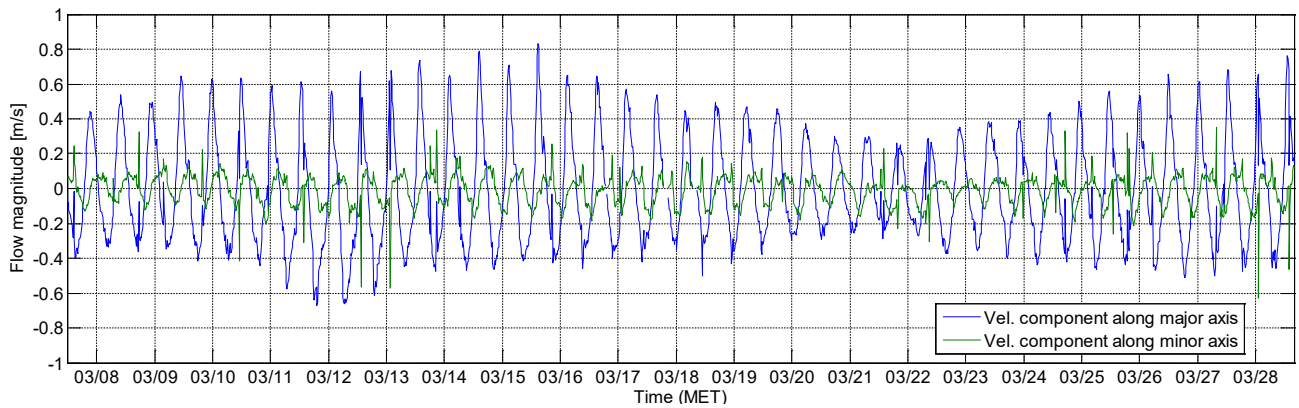


Figure 432 - Tripod deployment MOW1 (ADV): March 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=61.2°, dev=1.64°

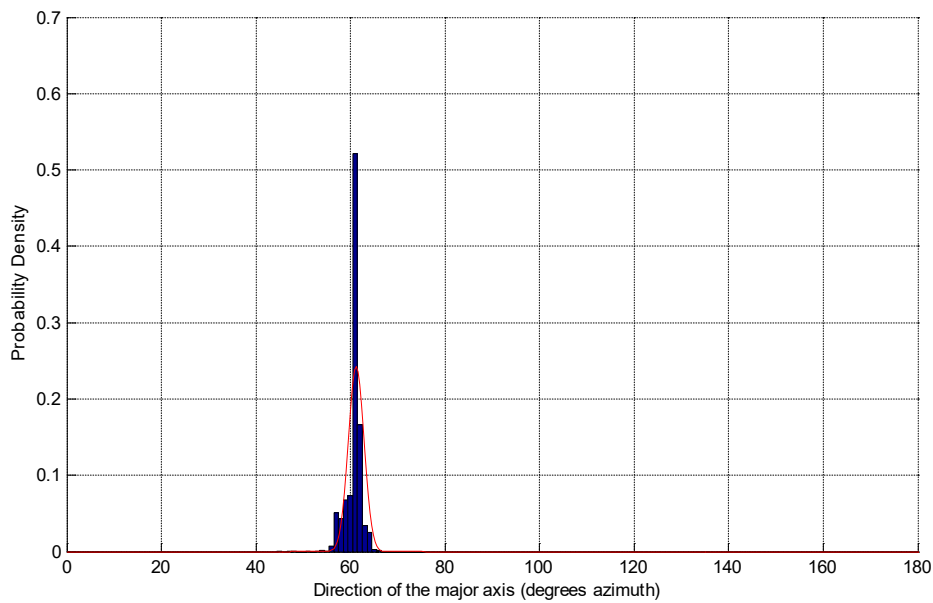
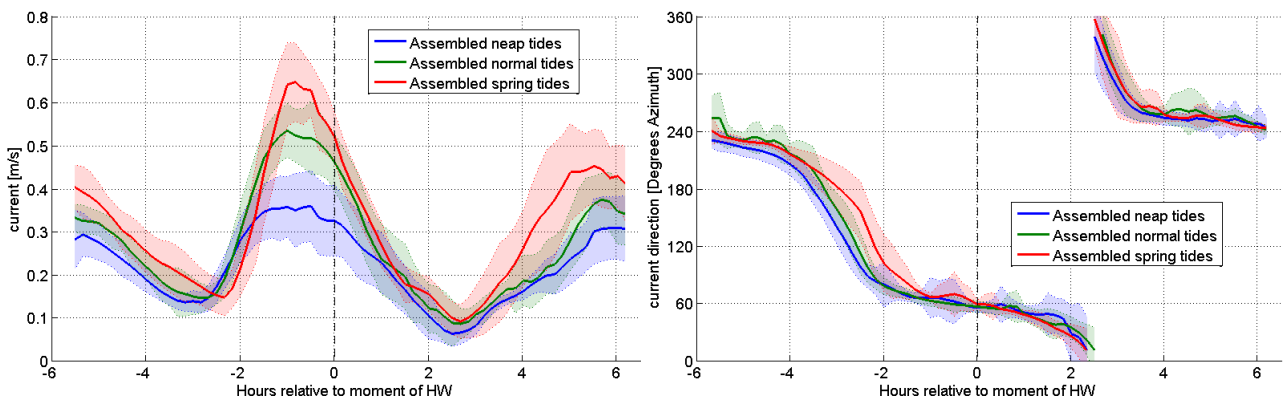


Figure 433 - Tripod deployment MOW1 (ADV): 07/03/2013 - 28/03/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.35 Tripod deployment MOW1 (ADV): March - April 2013

Figure 434 - Tripod deployment MOW1 (ADV): March - April 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

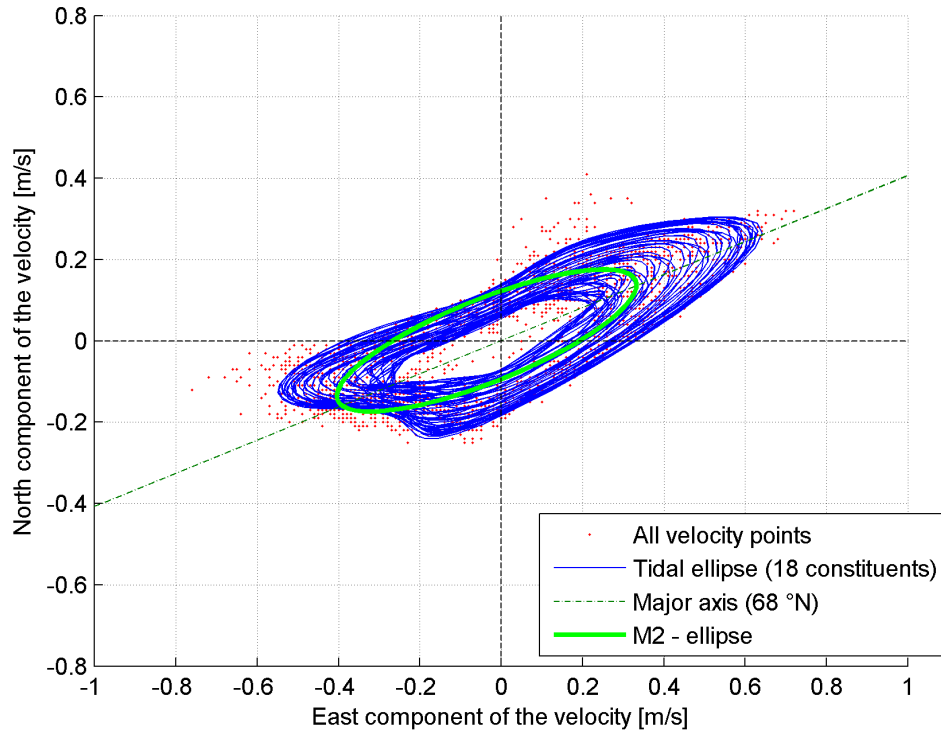


Figure 435 - Tripod deployment MOW1 (ADV): March - April 2013 - East and North velocity components [m/s] at 0.18mab

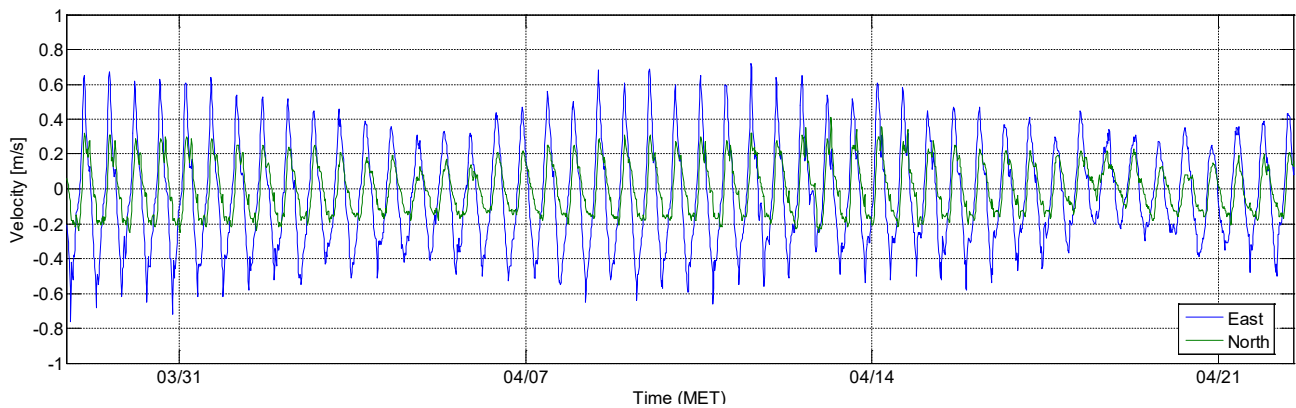


Figure 436 - Tripod deployment MOW1 (ADV): March - April 2013 - Flow decomposed along the estimated major axis (68°N) [m/s] at 0.18mab

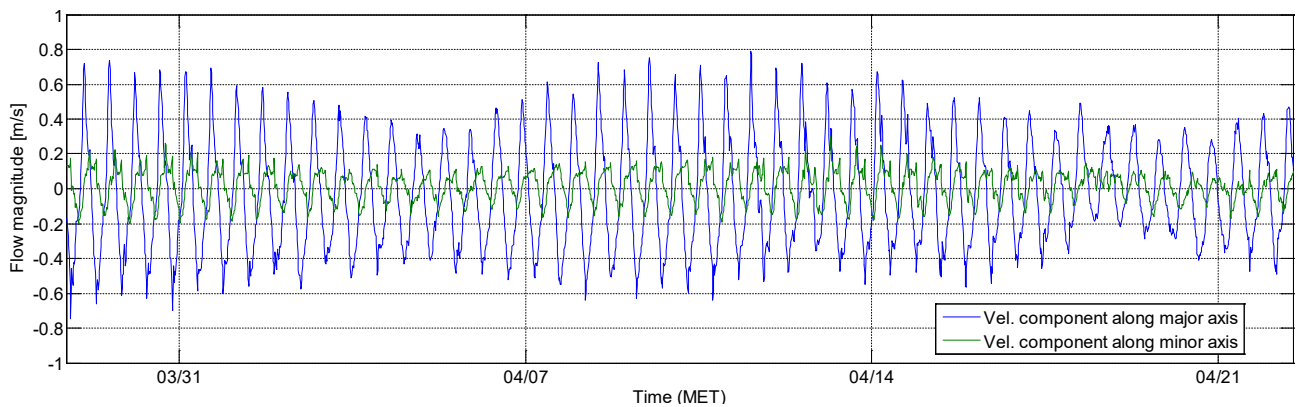


Figure 437 - Tripod deployment MOW1 (ADV): March - April 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.9°, dev=1.58°

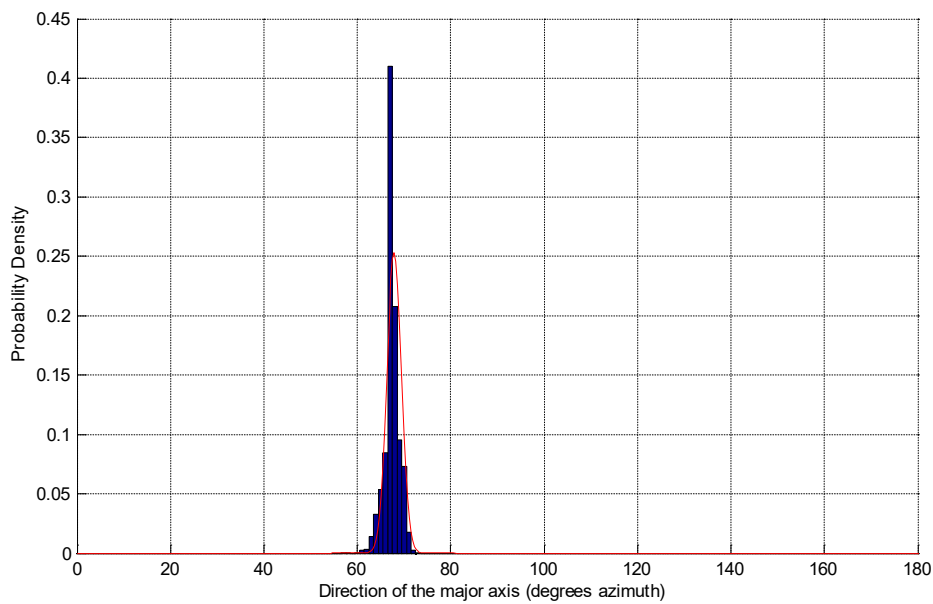
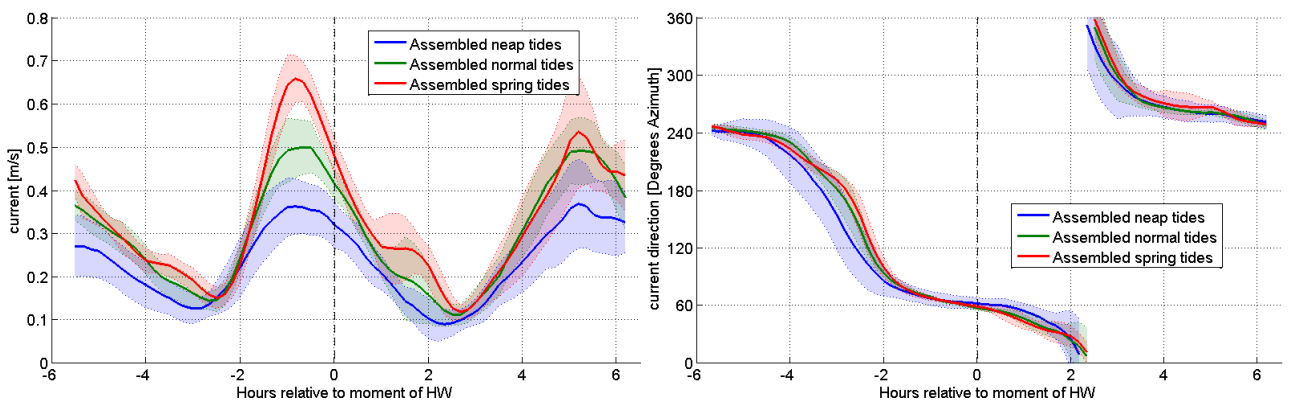


Figure 438 - Tripod deployment MOW1 (ADV): 28/03/2013 - 22/04/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.36 Tripod deployment MOW1 (ADV): April - May 2013

Figure 439 - Tripod deployment MOW1 (ADV): April - May 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

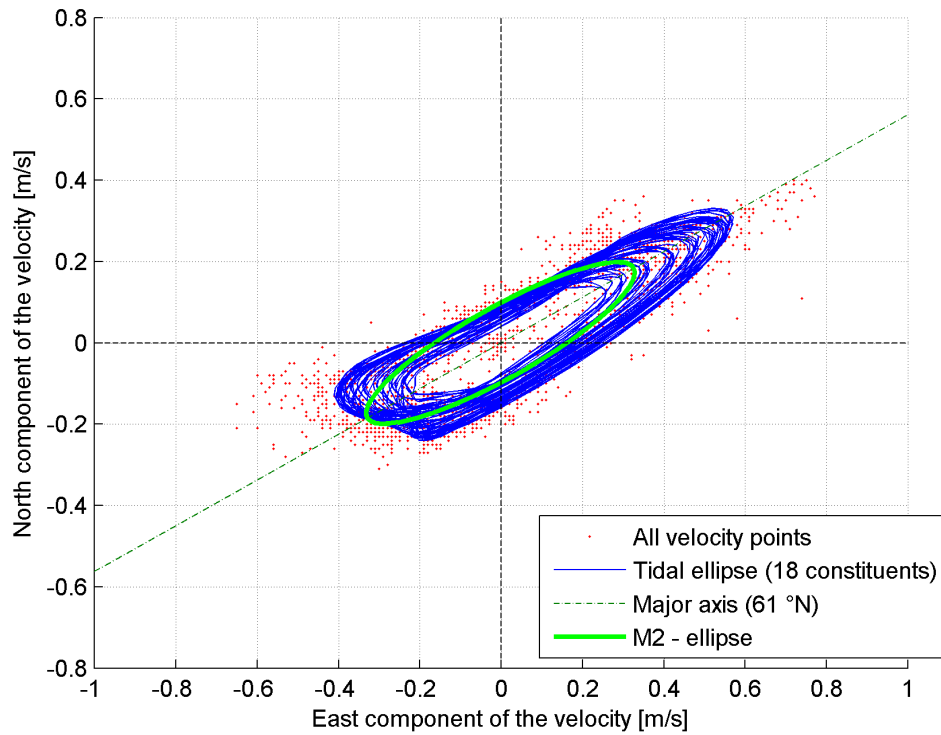


Figure 440 - Tripod deployment MOW1 (ADV): April - May 2013 - East and North velocity components [m/s] at 0.18mab

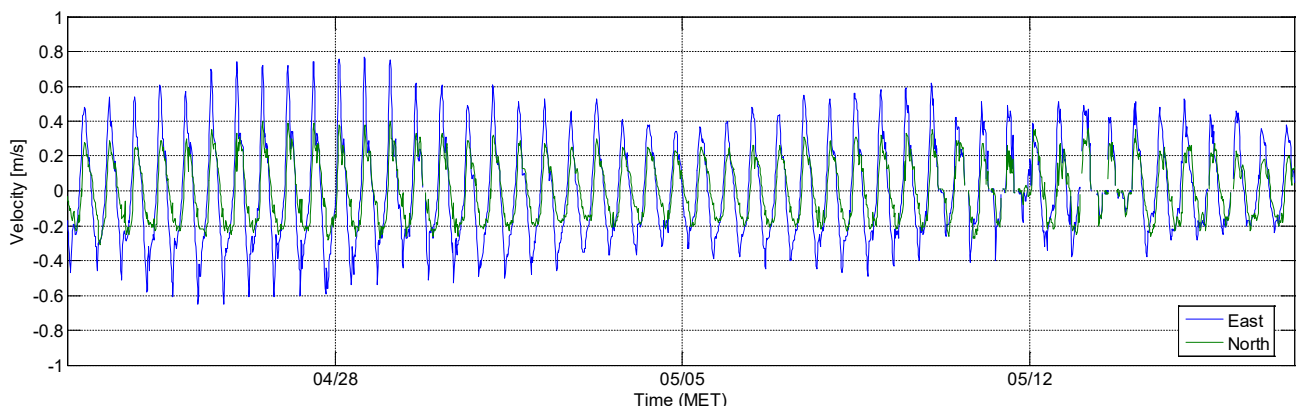


Figure 441 - Tripod deployment MOW1 (ADV): April - May 2013 - Flow decomposed along the estimated major axis (61°N) [m/s] at 0.18mab

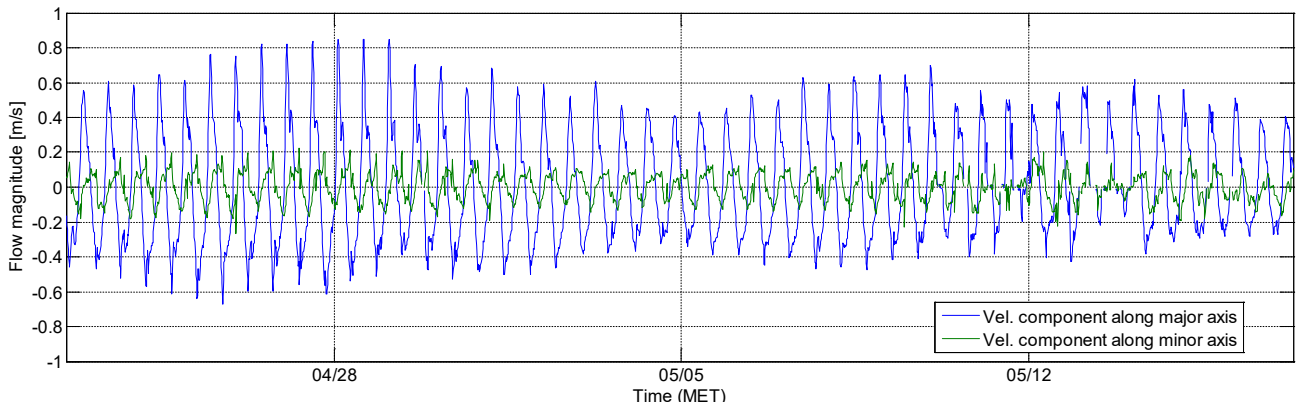
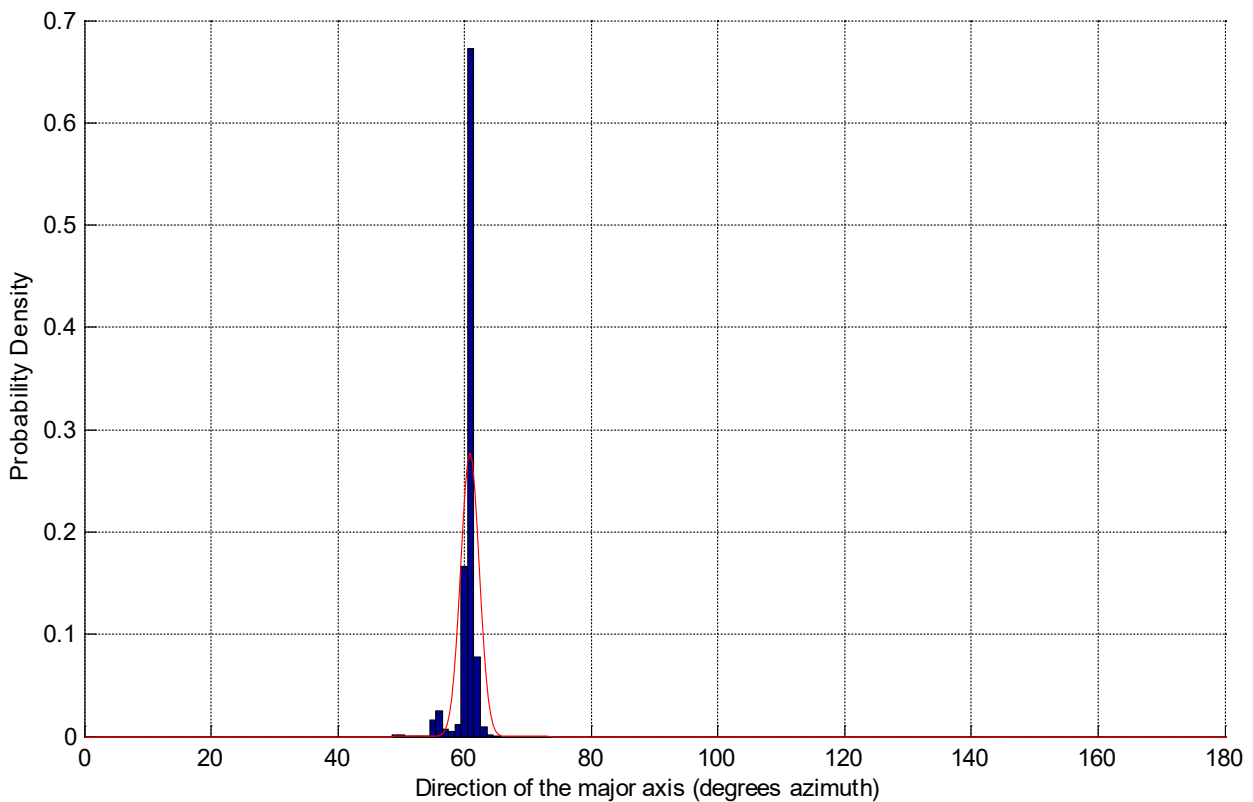


Figure 442 - Tripod deployment MOW1 (ADV): April - May 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=60.9°, dev=1.44°



E.2.37 Tripod deployment MOW1 (ADV): May - June 2013

Figure 443 - Tripod deployment MOW1 (ADV): May - June 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

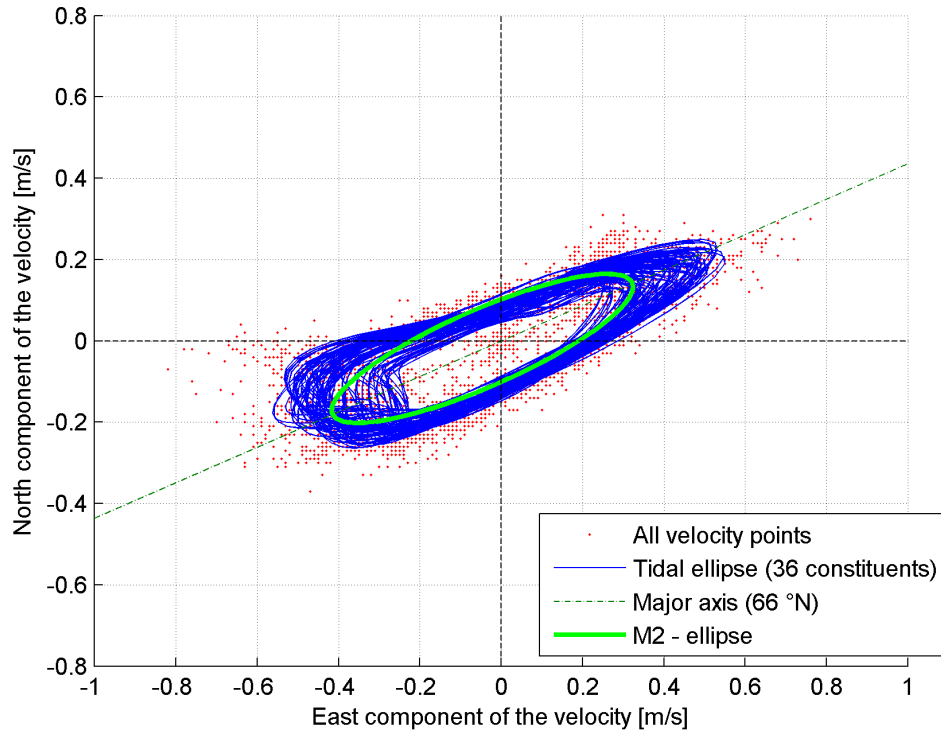


Figure 444 - Tripod deployment MOW1 (ADV): May - June 2013 - East and North velocity components [m/s] at 0.18mab

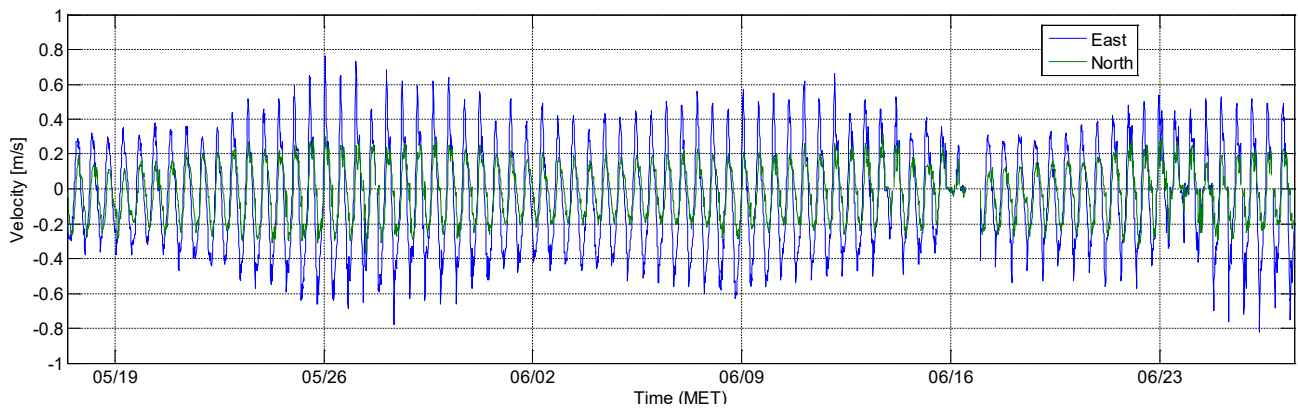


Figure 445 - Tripod deployment MOW1 (ADV): May - June 2013 - Flow decomposed along the estimated major axis (66°N) [m/s] at 0.18mab

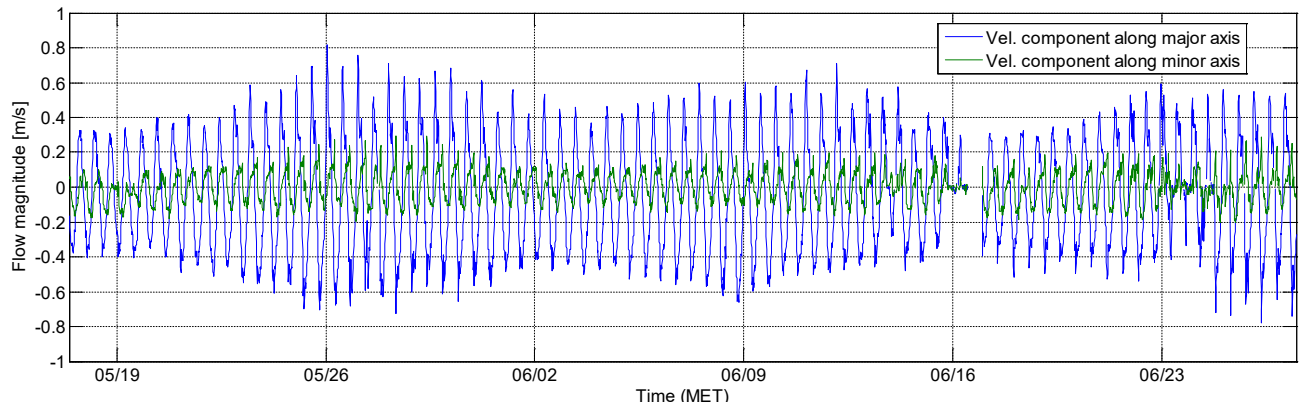
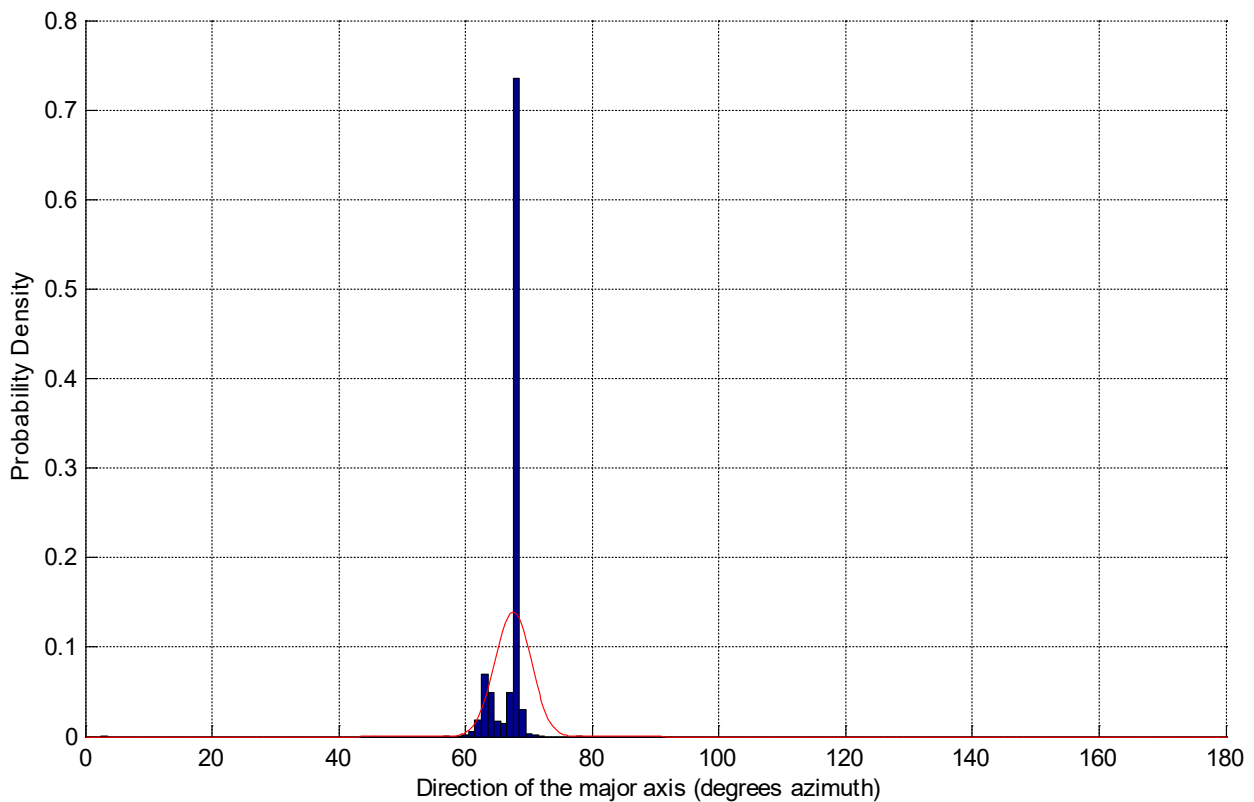


Figure 446 - Tripod deployment MOW1 (ADV): May - June 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=67.5°, dev=2.86°



E.2.38 Tripod deployment MOW1 (ADV): June - July 2013

Figure 447 - Tripod deployment MOW1 (ADV): June - July 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

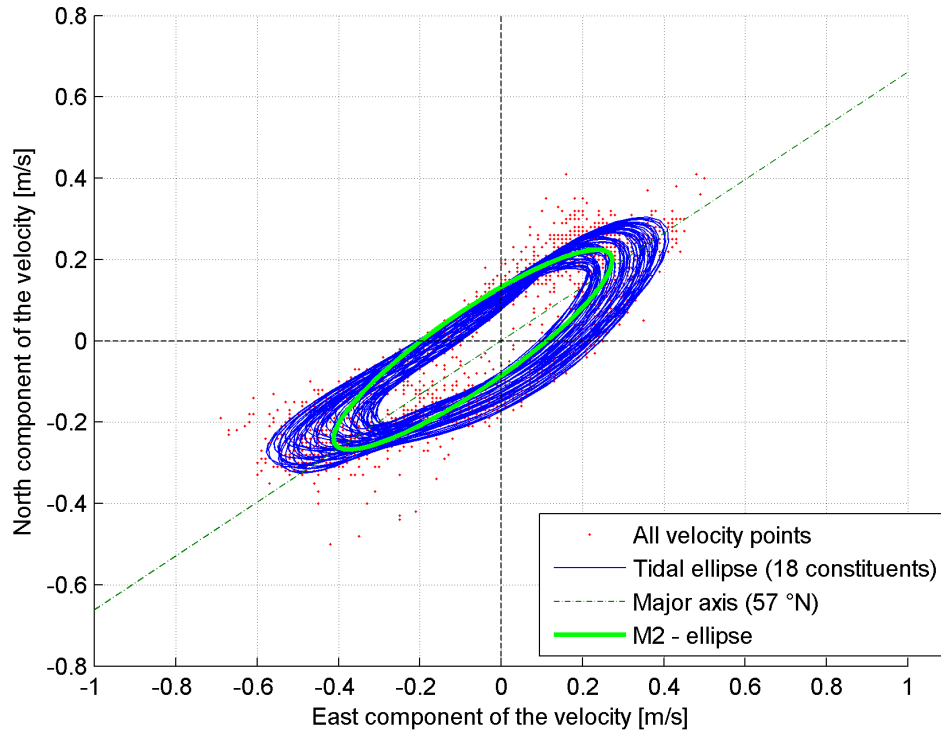


Figure 448 - Tripod deployment MOW1 (ADV): June - July 2013 - East and North velocity components [m/s] at 0.18mab

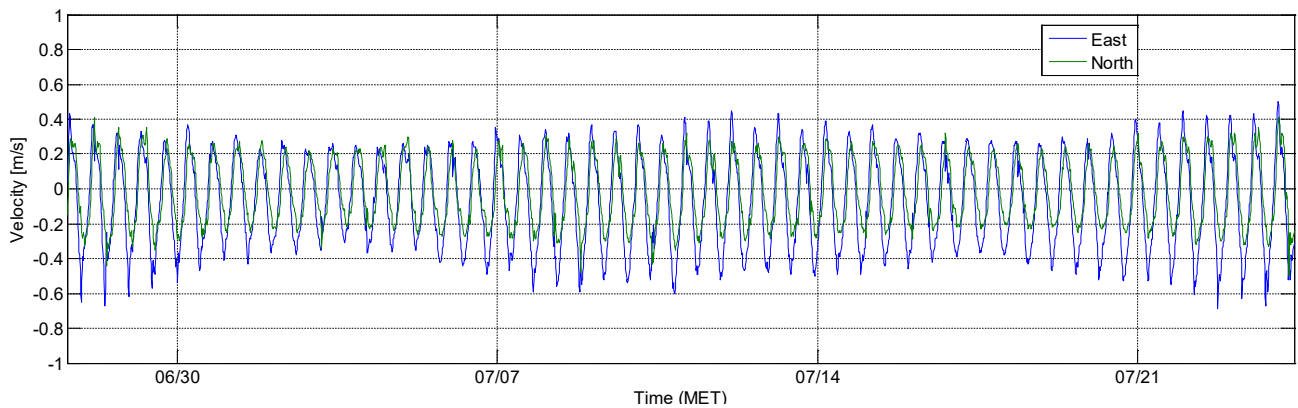


Figure 449 - Tripod deployment MOW1 (ADV): June - July 2013 - Flow decomposed along the estimated major axis (57°N) [m/s] at 0.18mab

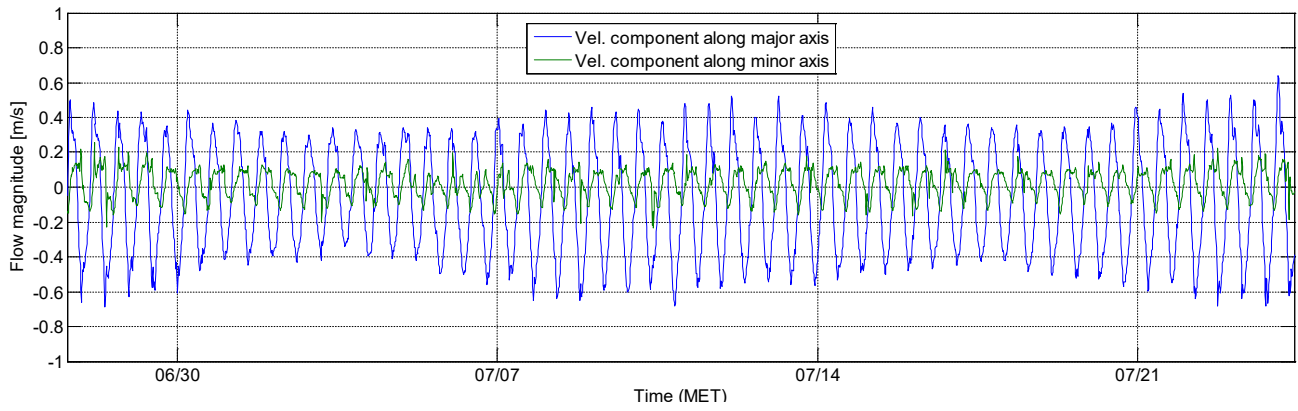
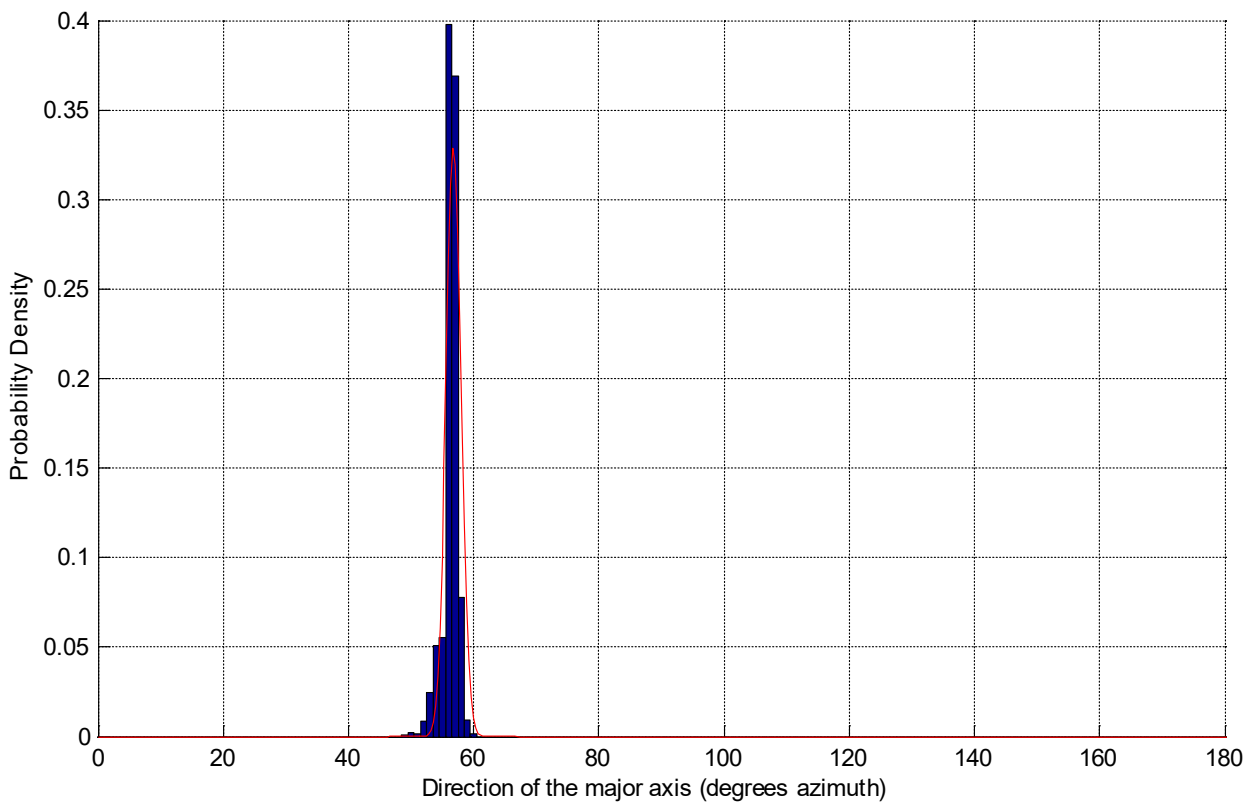


Figure 450 - Tripod deployment MOW1 (ADV): June - July 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=56.8°, dev=1.21°



E.2.39 Tripod deployment MOW1 (ADV): July - August 2013

Figure 451 - Tripod deployment MOW1 (ADV): July - August 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (30 constituents)

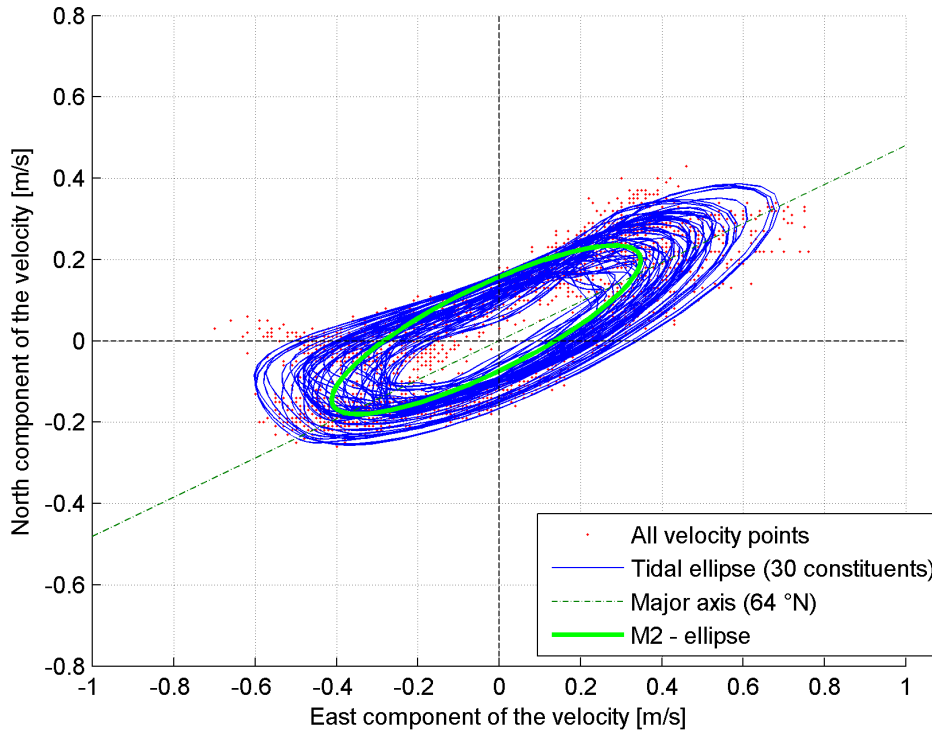


Figure 452 - Tripod deployment MOW1 (ADV): July - August 2013 - East and North velocity components [m/s] at 0.18mab

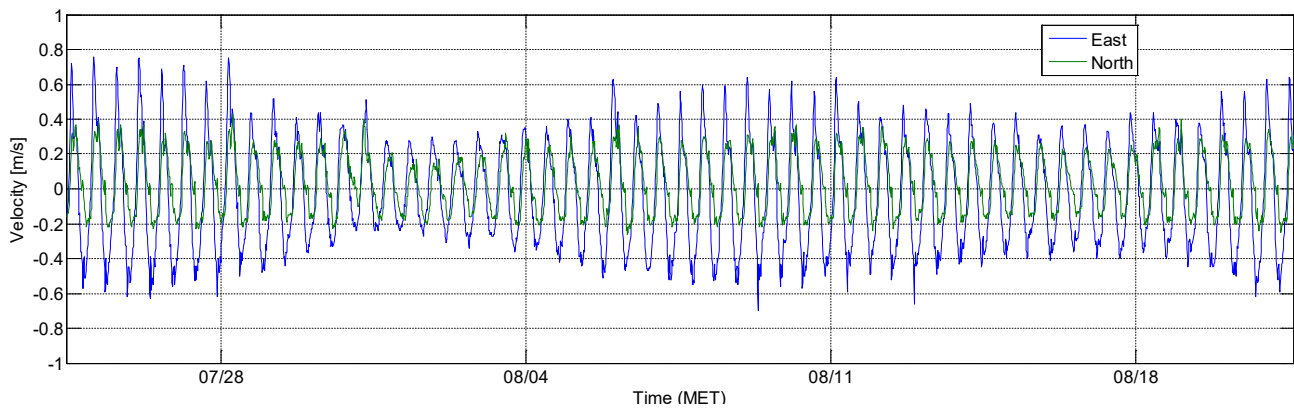


Figure 453 - Tripod deployment MOW1 (ADV): July - August 2013 - Flow decomposed along the estimated major axis (64°N) [m/s] at 0.18mab

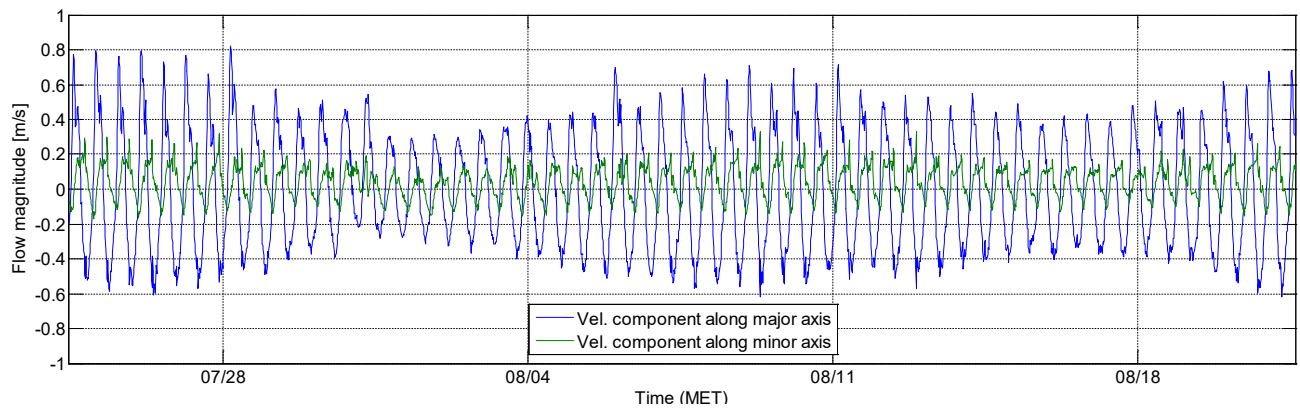
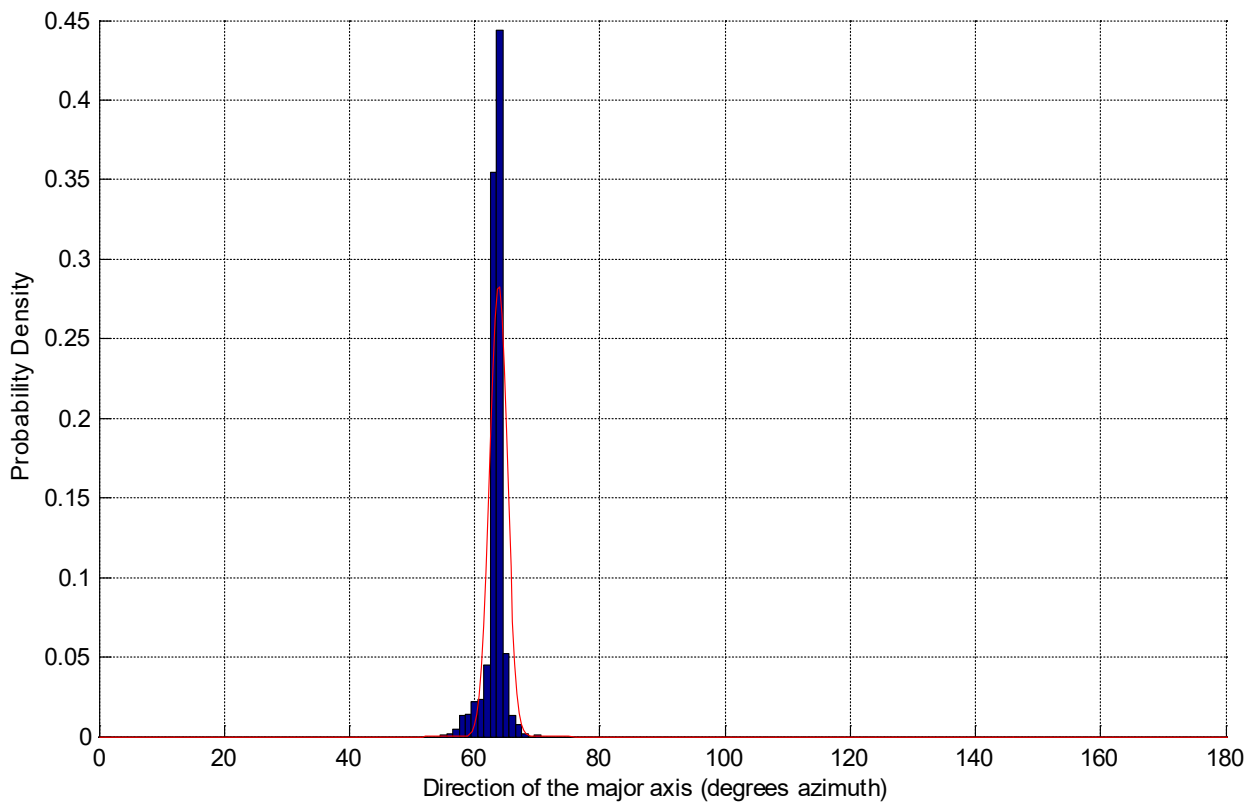


Figure 454 - Tripod deployment MOW1 (ADV): July - August 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.8°, dev=1.40°



E.2.40 Tripod deployment MOW1 (ADV): August - September 2013

Figure 455 - Tripod deployment MOW1 (ADV): August - September 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

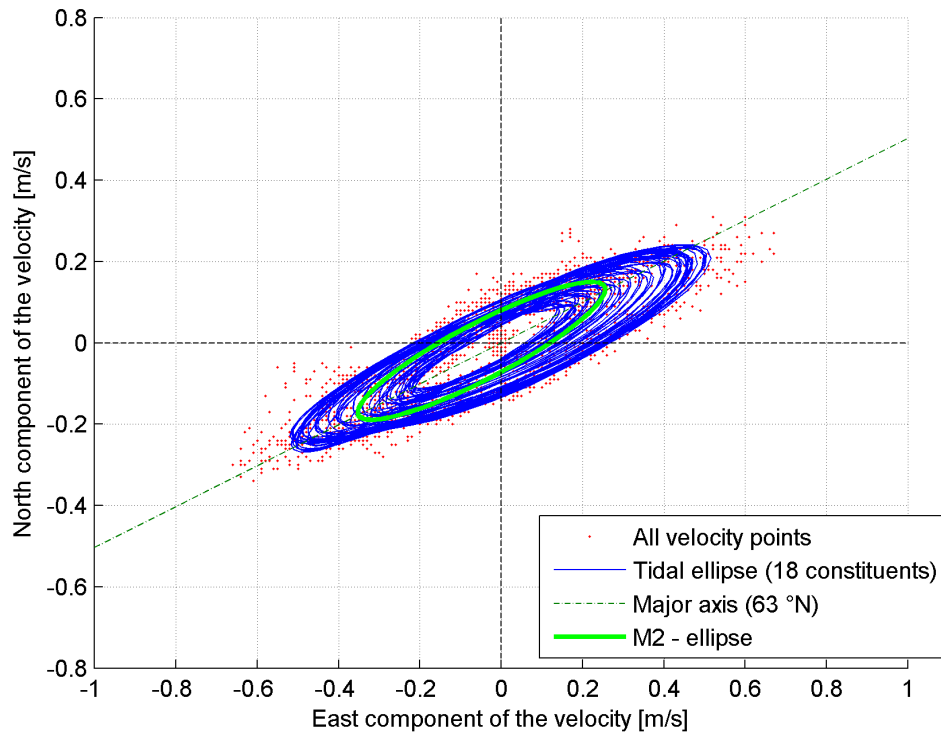


Figure 456 - Tripod deployment MOW1 (ADV): August - September 2013 - East and North velocity components [m/s] at 0.18mab

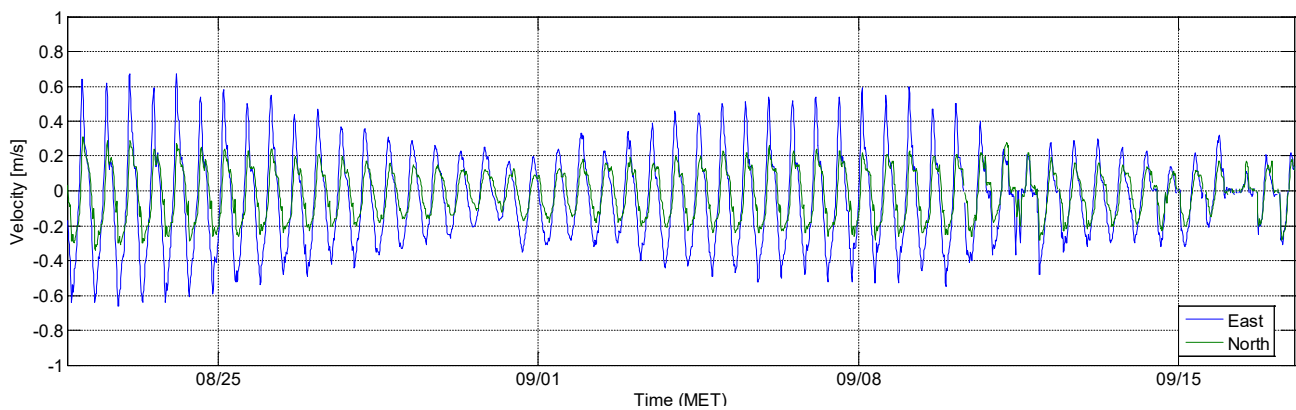


Figure 457 - Tripod deployment MOW1 (ADV): August - September 2013 - Flow decomposed along the estimated major axis (63°N) [m/s] at 0.18mab

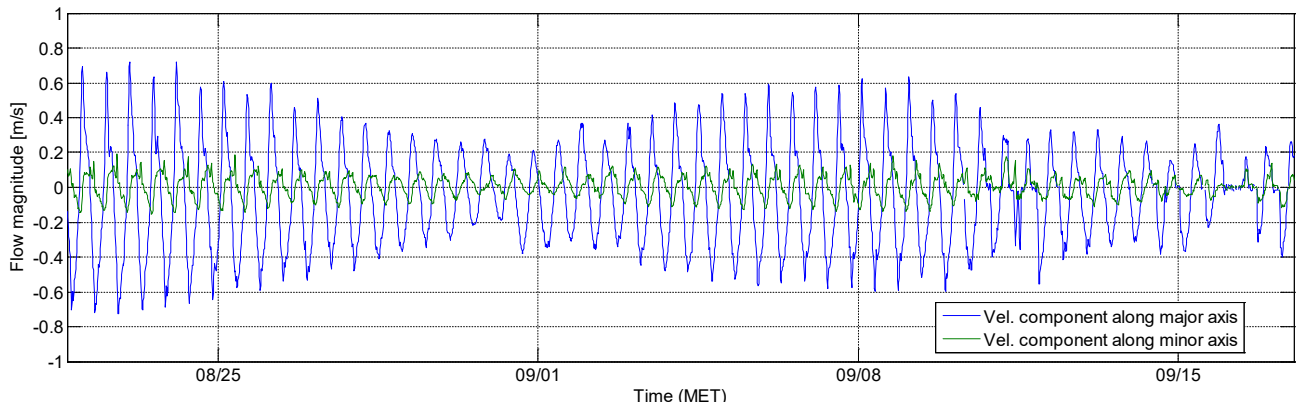


Figure 458 - Tripod deployment MOW1 (ADV): August - September 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.9°, dev=1.94°

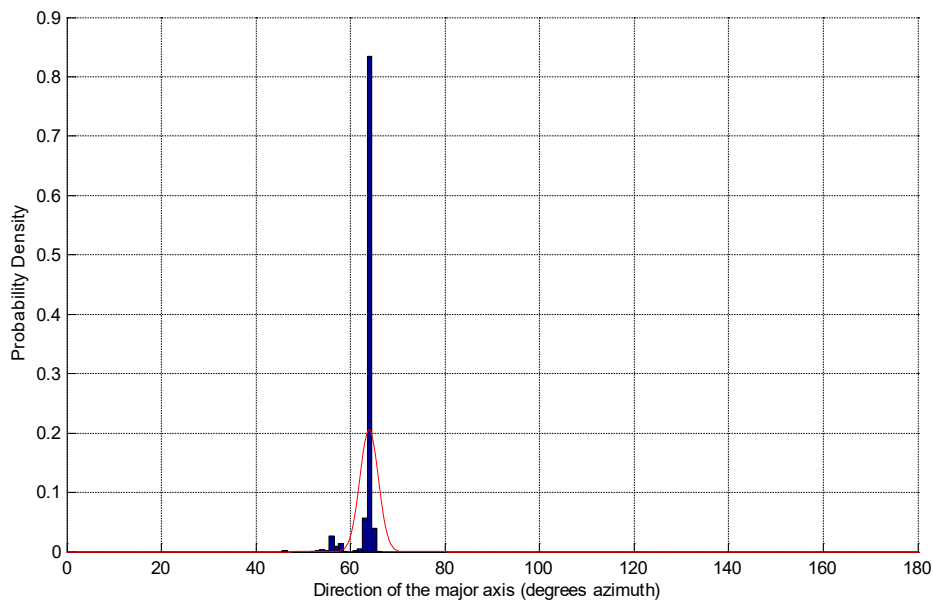
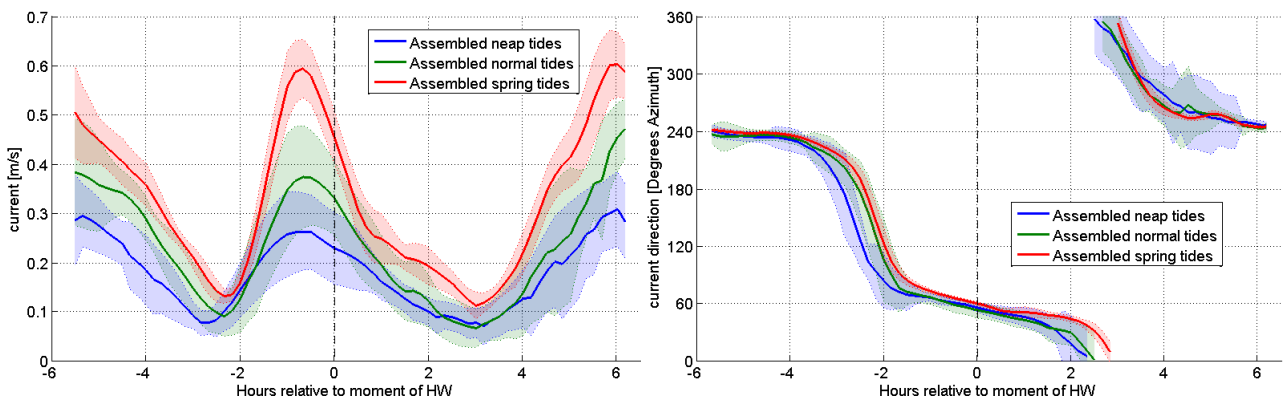


Figure 459 - Tripod deployment MOW1 (ADV): 21/08/2013 - 23/09/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.41 Tripod deployment MOW1 (ADV): September - October 2013

Figure 460 - Tripod deployment MOW1 (ADV): September - October 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

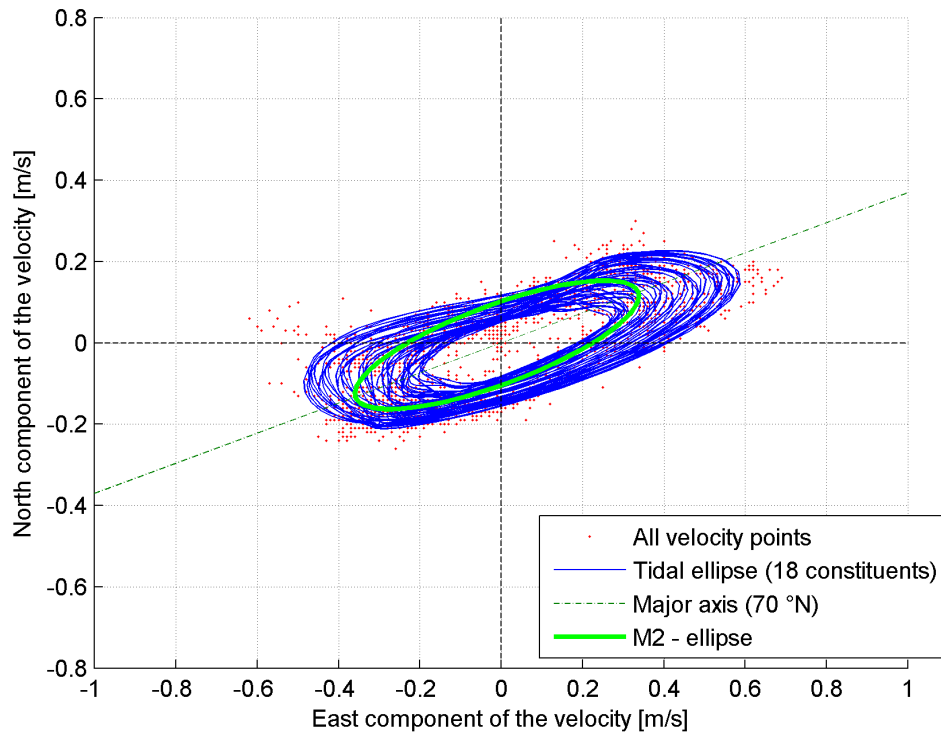


Figure 461 - Tripod deployment MOW1 (ADV): September - October 2013 - East and North velocity components [m/s] at 0.18mab

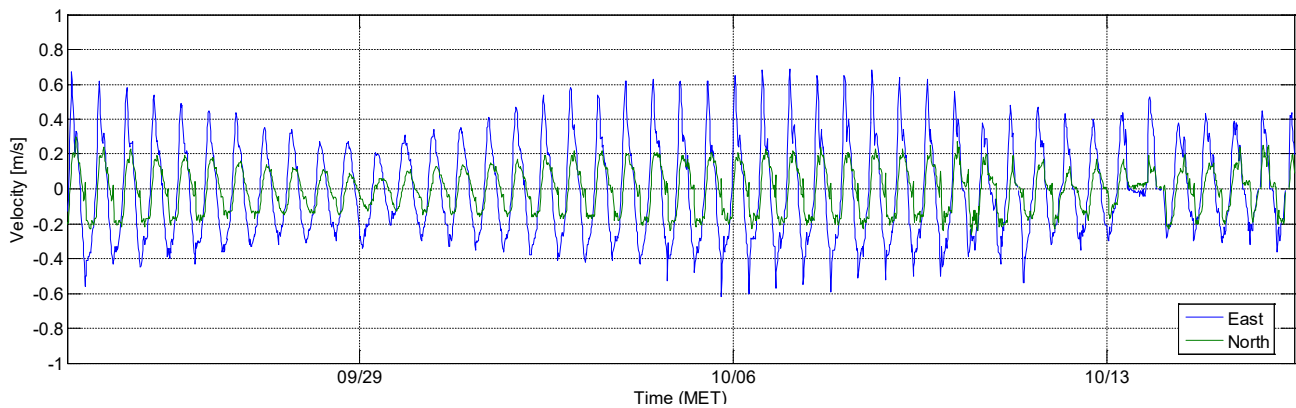


Figure 462 - Tripod deployment MOW1 (ADV): September - October 2013 - Flow decomposed along the estimated major axis (70°N) [m/s] at 0.18mab

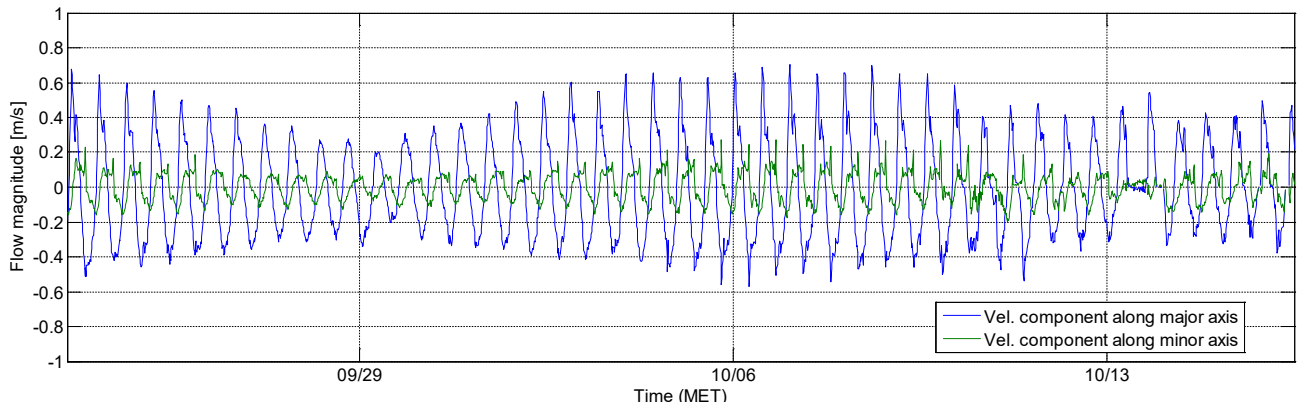
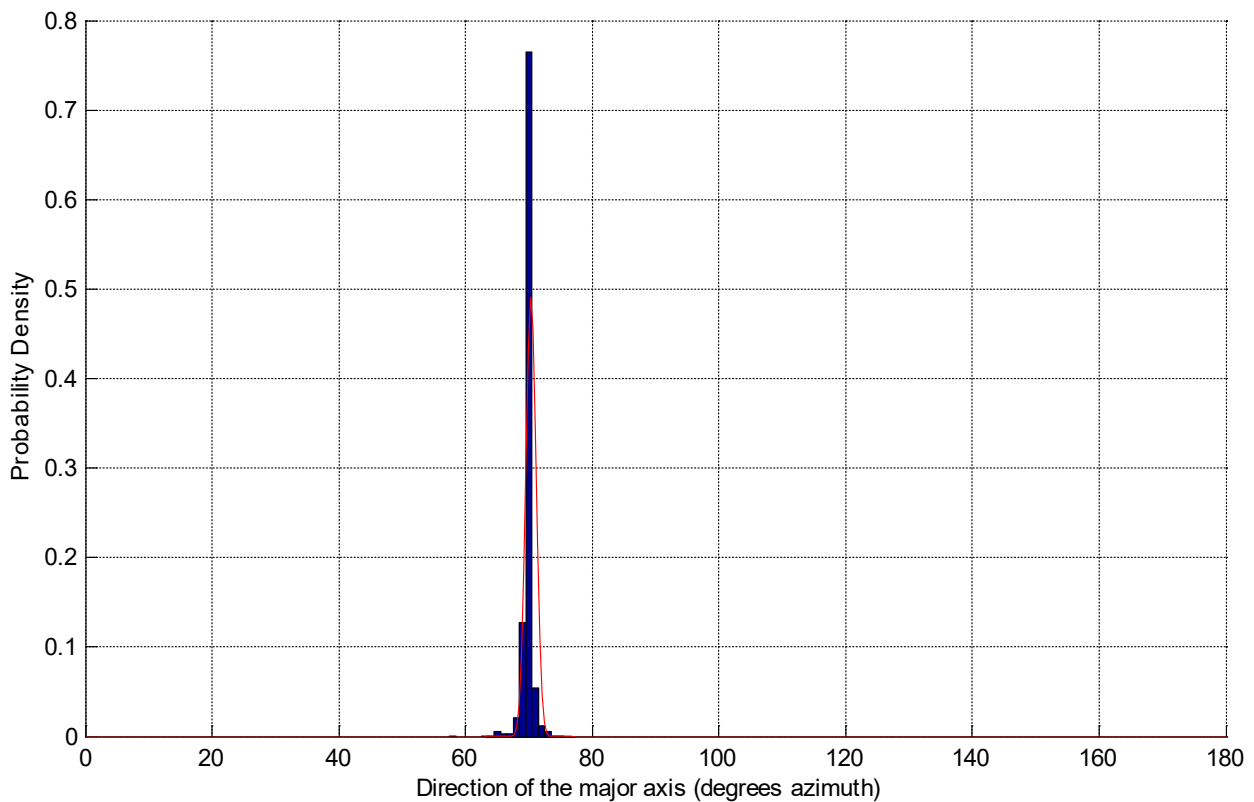


Figure 463 - Tripod deployment MOW1 (ADV): September - October 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=70.3°, dev=0.81°



E.2.42 Tripod deployment MOW1 (ADV): October - November 2013

Figure 464 - Tripod deployment MOW1 (ADV): October - November 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

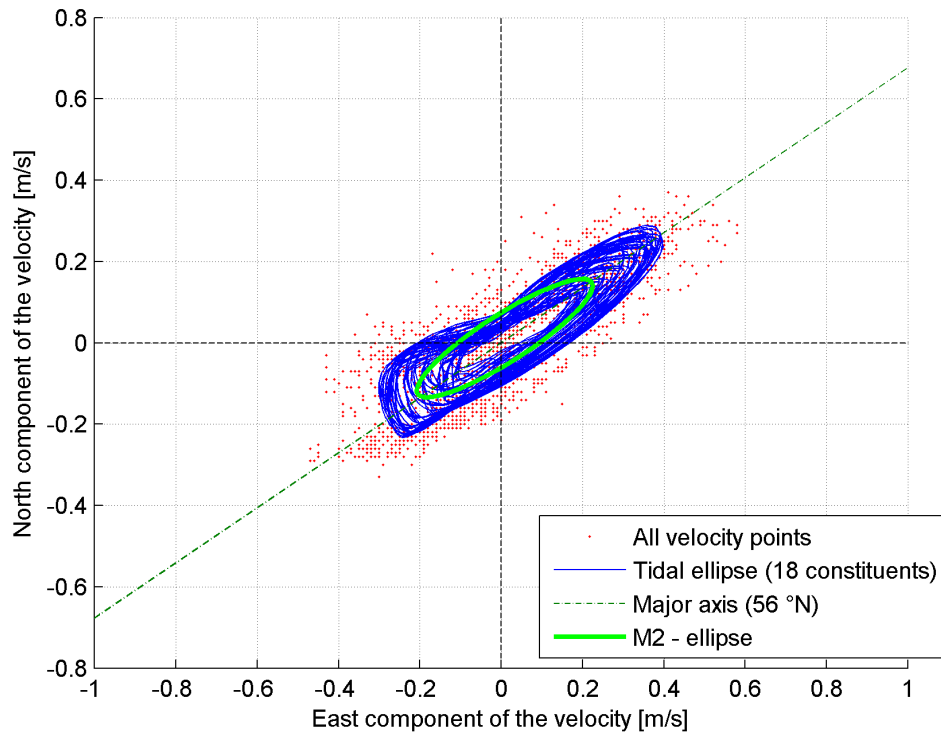


Figure 465 - Tripod deployment MOW1 (ADV): October - November 2013 - East and North velocity components [m/s] at 0.18mab

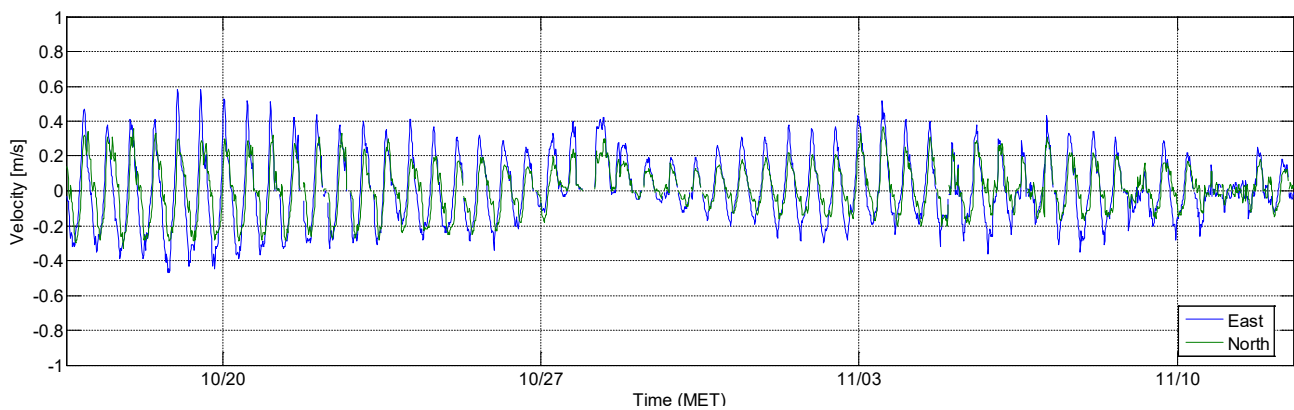


Figure 466 - Tripod deployment MOW1 (ADV): October - November 2013 - Flow decomposed along the estimated major axis (56°N) [m/s] at 0.18mab

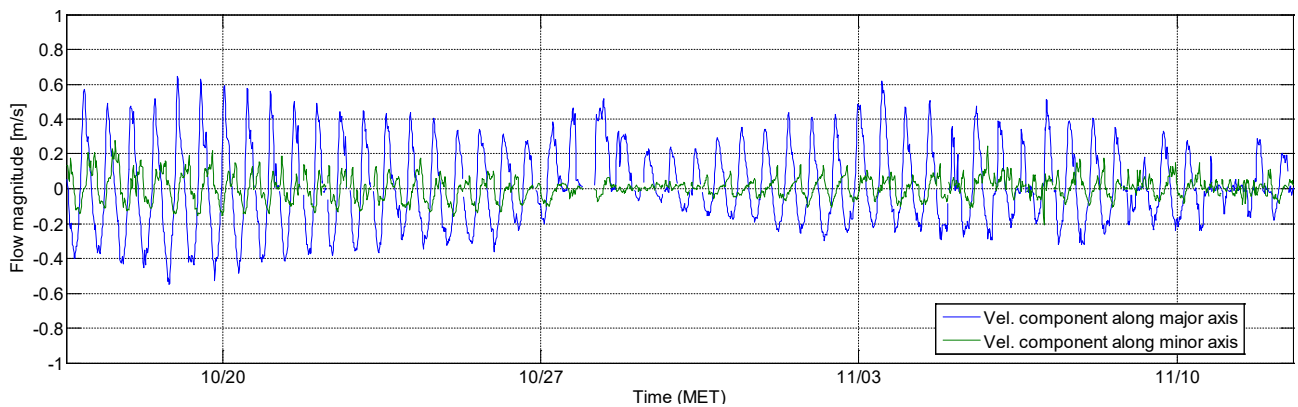


Figure 467 - Tripod deployment MOW1 (ADV): October - November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=56.5°, dev=4.04°

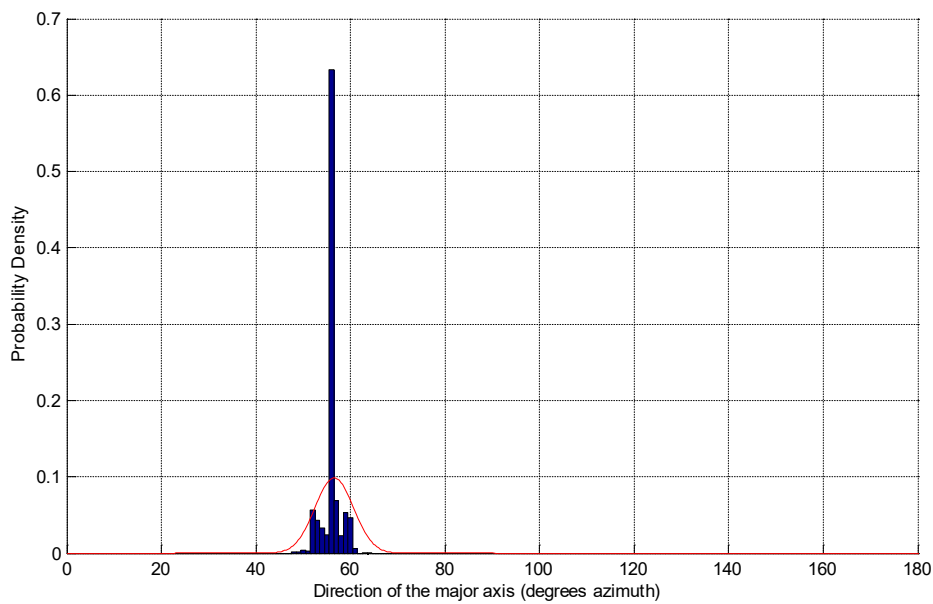
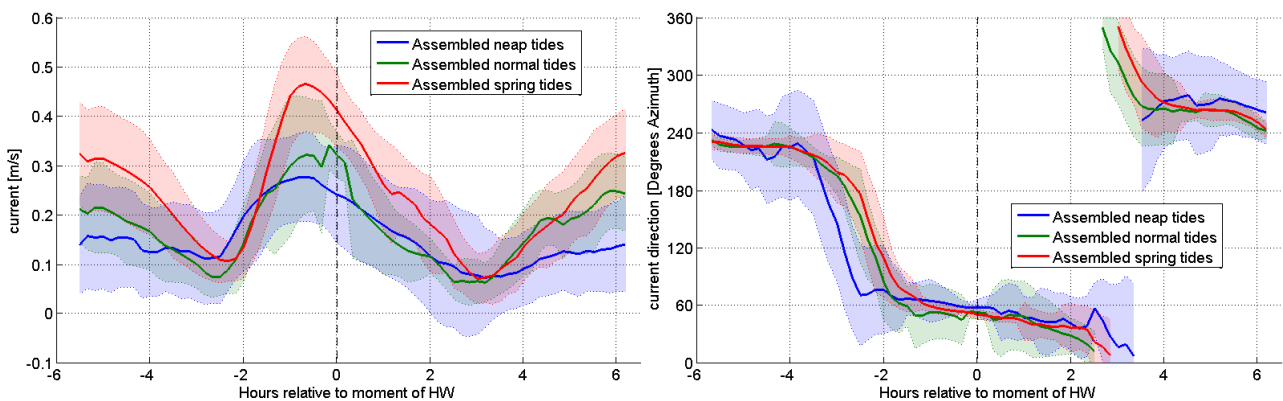


Figure 468 - Tripod deployment MOW1 (ADV): 16/10/2013 - 28/11/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.2.43 Tripod deployment MOW1 (ADV): November - December 2013

Figure 469 - Tripod deployment MOW1 (ADV): November - December 2013 - UV-diagram with tidal ellipse
[m/s] at 0.18mab derived through tidal analyses (9 constituents)

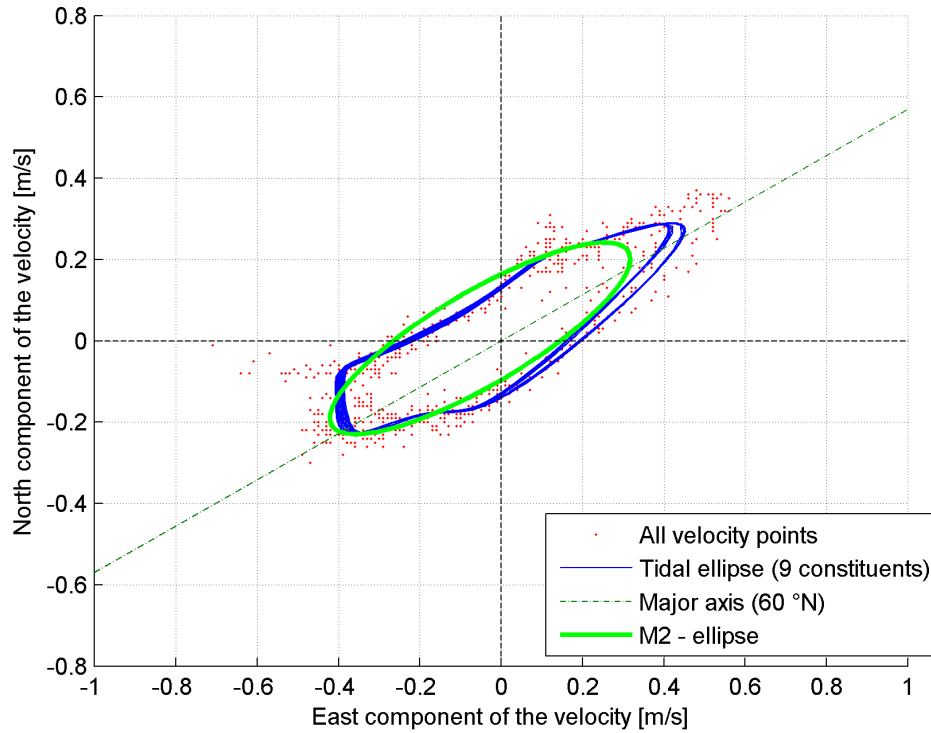


Figure 470 - Tripod deployment MOW1 (ADV): November - December 2013 - East and North velocity components
[m/s] at 0.18mab

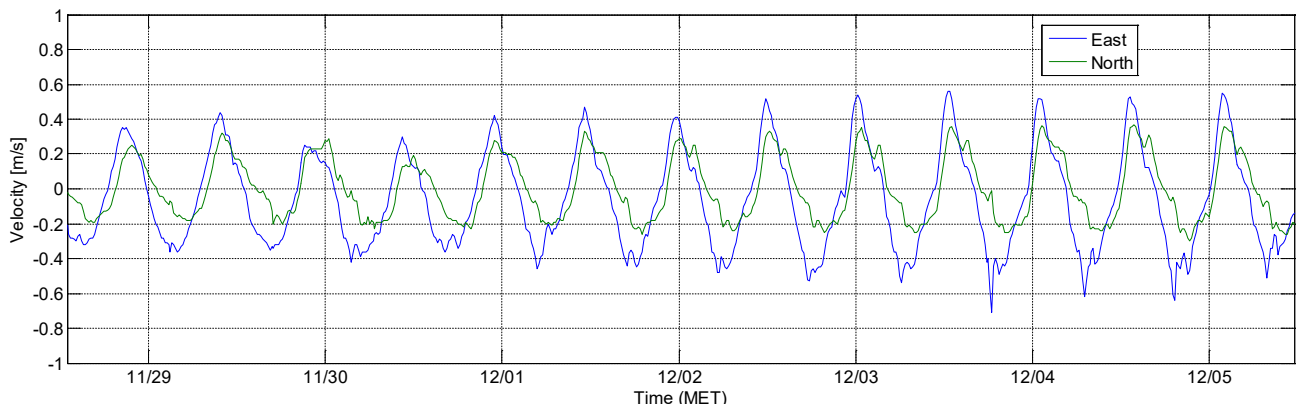


Figure 471 - Tripod deployment MOW1 (ADV): November - December 2013 - Flow decomposed along the estimated major axis (60°N) [m/s] at 0.18mab

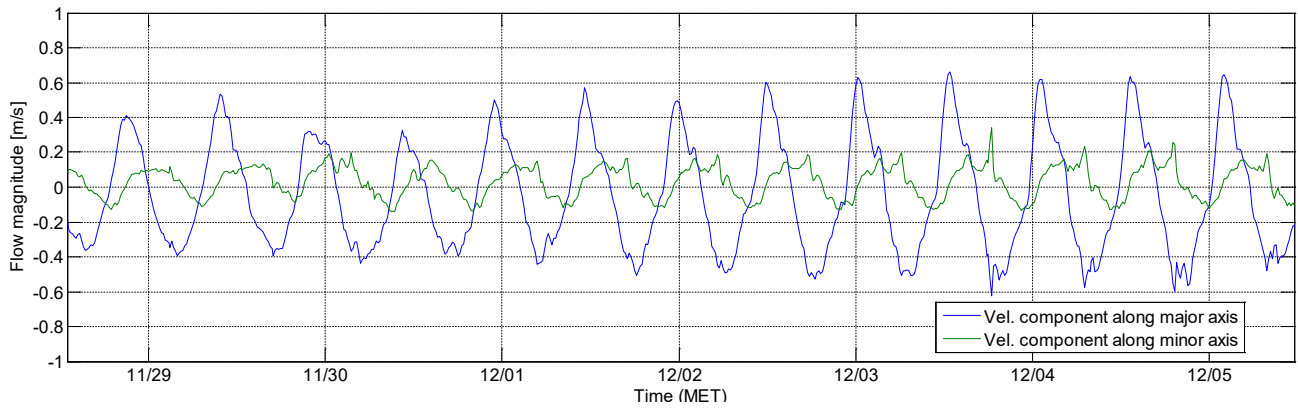
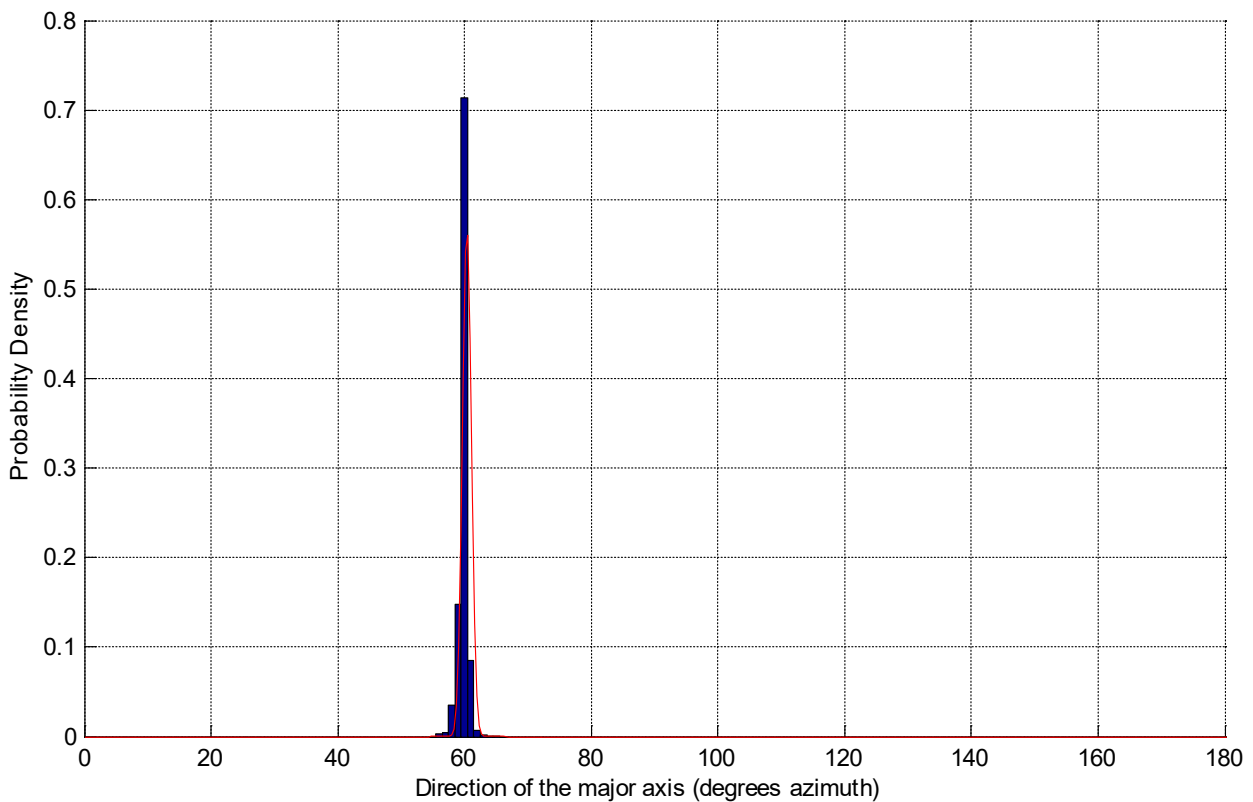


Figure 472 - Tripod deployment MOW1 (ADV): November - December 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=60.3°, dev=0.70°



E.3 OD Nature Tripod deployment Blighbank – ADV

E.3.1 Tripod deployment Blighbank (ADV): June - July 2009

Figure 473 - Tripod deployment Blighbank (ADV): June - July 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

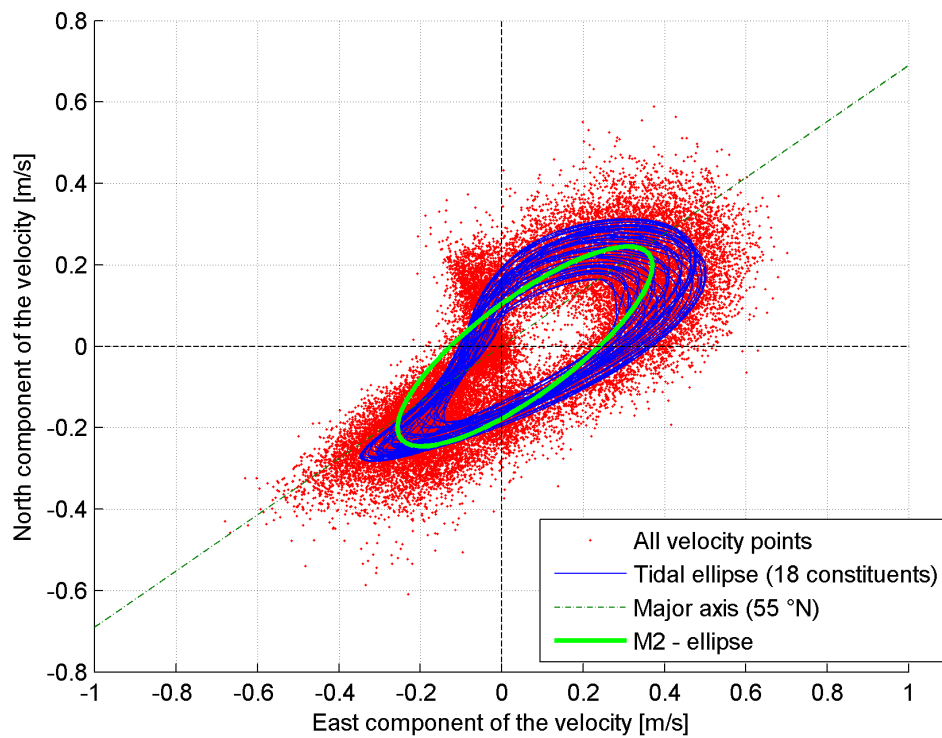


Figure 474 - Tripod deployment Blighbank (ADV): June - July 2009 - East and North velocity components [m/s] at 0.18mab

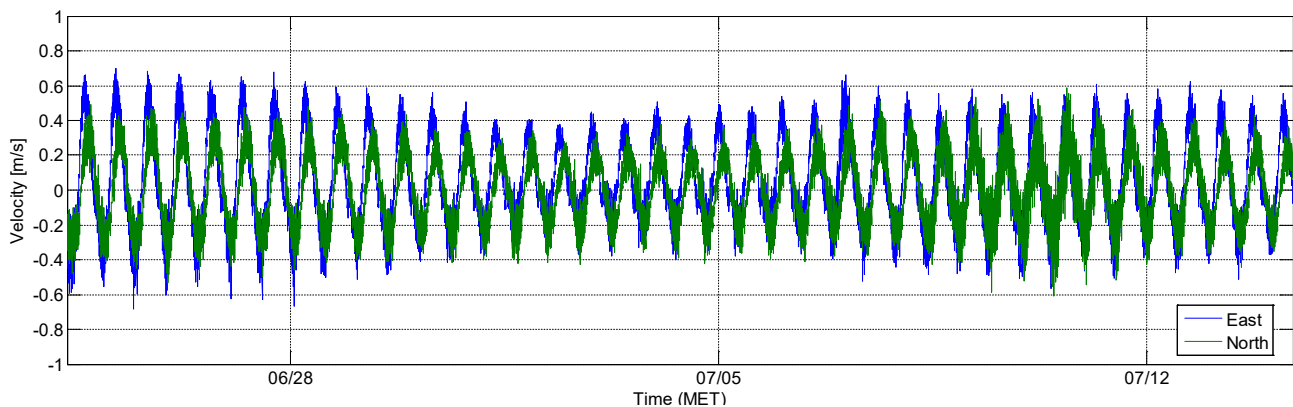


Figure 475 - Tripod deployment Blighbank (ADV): June - July 2009 - Flow decomposed along the estimated major axis (55°N) [m/s] at 0.18mab

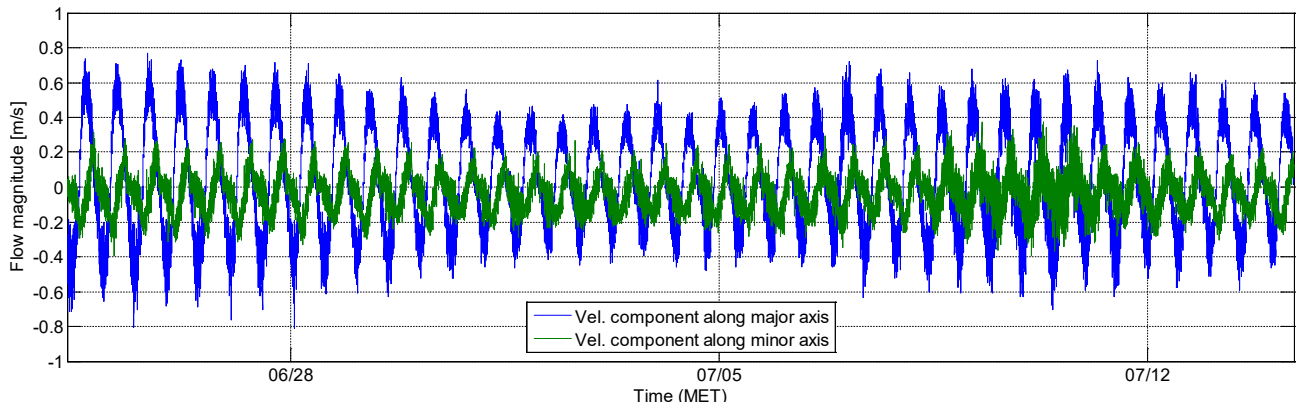


Figure 476 - Tripod deployment Blighbank (ADV): June - July 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=54.9°, dev=1.04°

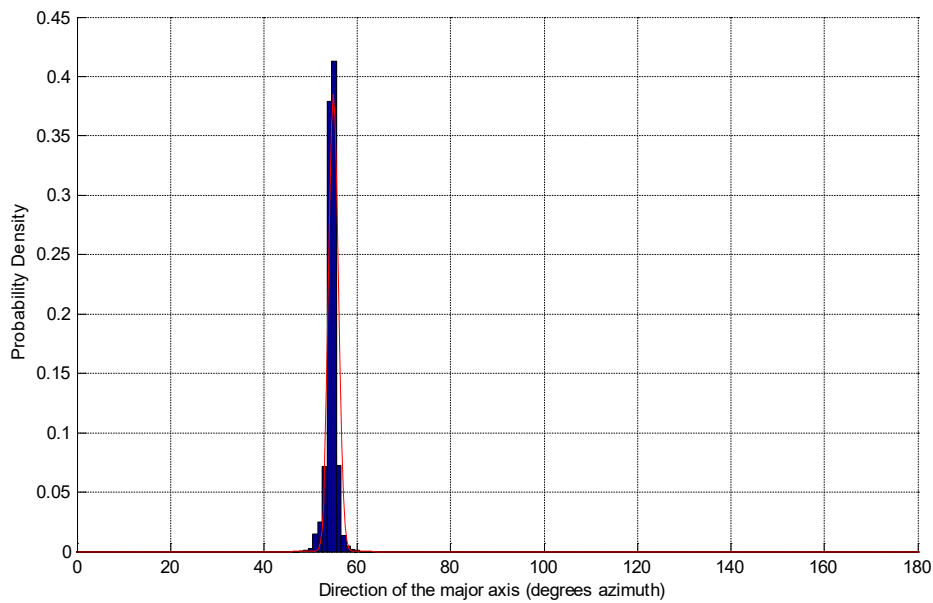
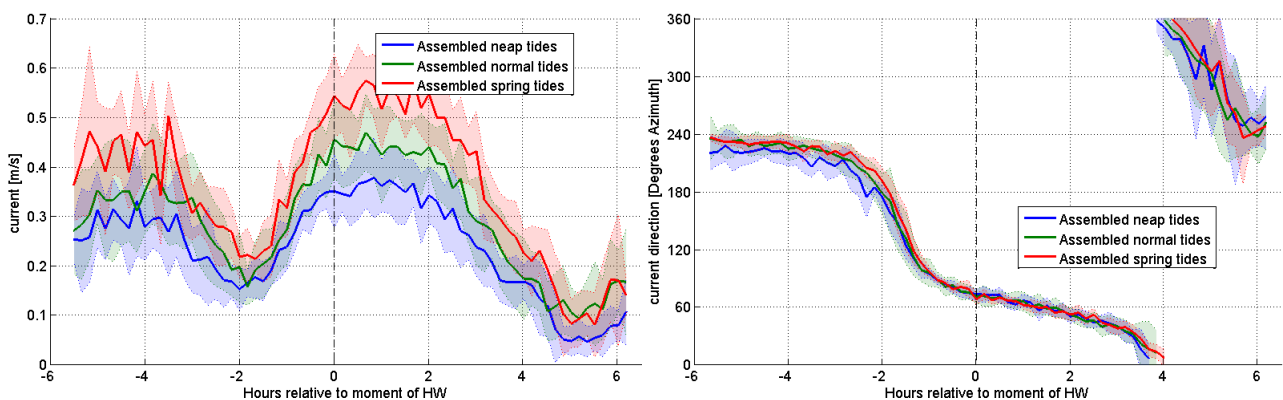


Figure 477 - Tripod deployment Blighbank (ADV): 24/06/2009 - 14/07/2009 - Mean and stdv of the assembled current magnitude (left) and direction (right) at 0.18mab



E.3.2 Tripod deployment Blighbank (ADV): May - June 2010

Figure 478 - Tripod deployment Blighbank (ADV): May - June 2010 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

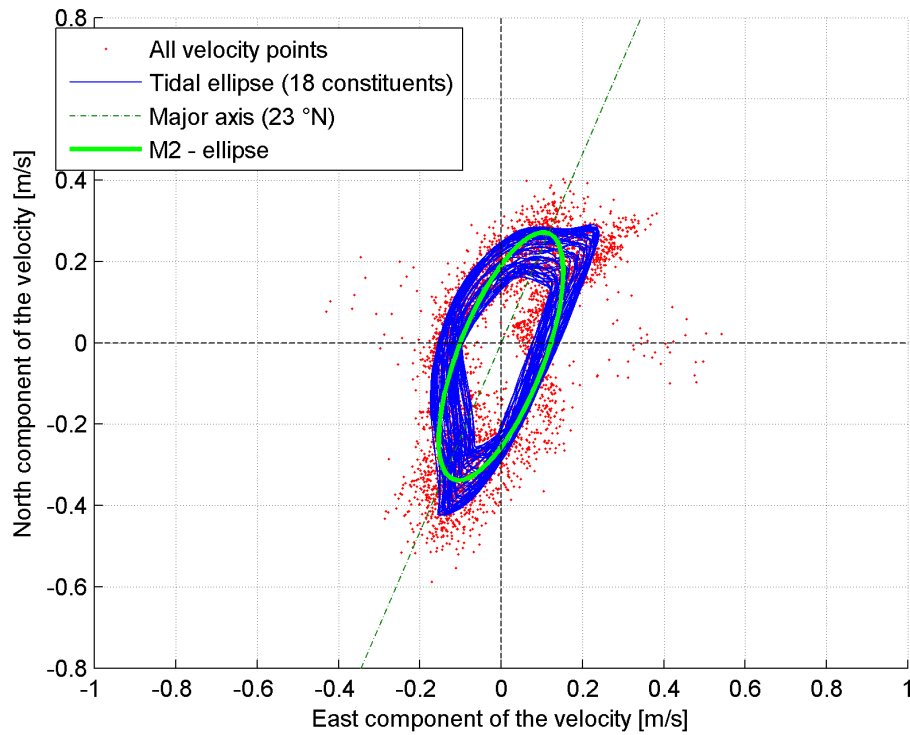


Figure 479 - Tripod deployment Blighbank (ADV): May - June 2010 - East and North velocity components [m/s] at 0.18mab

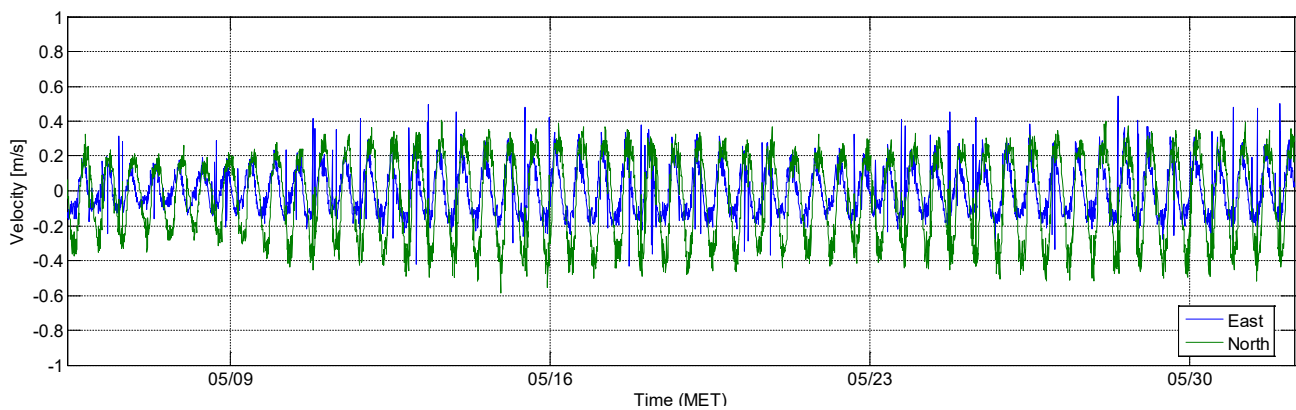


Figure 480 - Tripod deployment Blighbank (ADV): May - June 2010 - Flow decomposed along the estimated major axis (23°N) [m/s] at 0.18mab

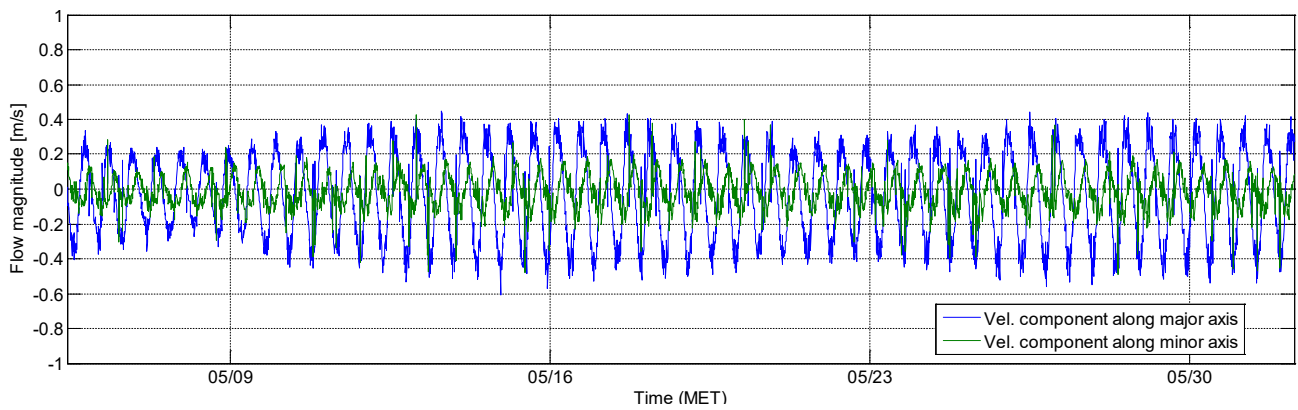


Figure 481 - Tripod deployment Blighbank (ADV): May - June 2010 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=23.1°, dev=1.04°

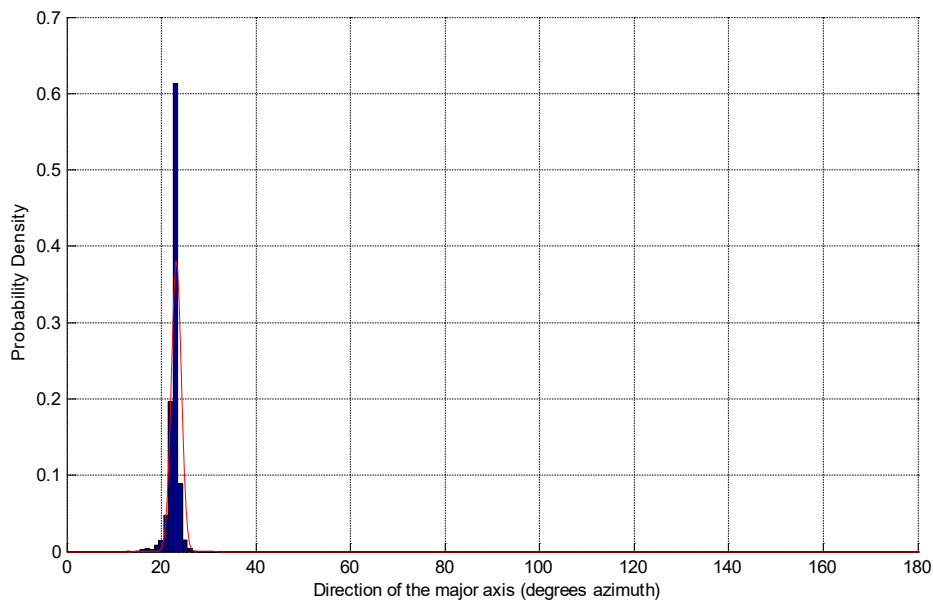
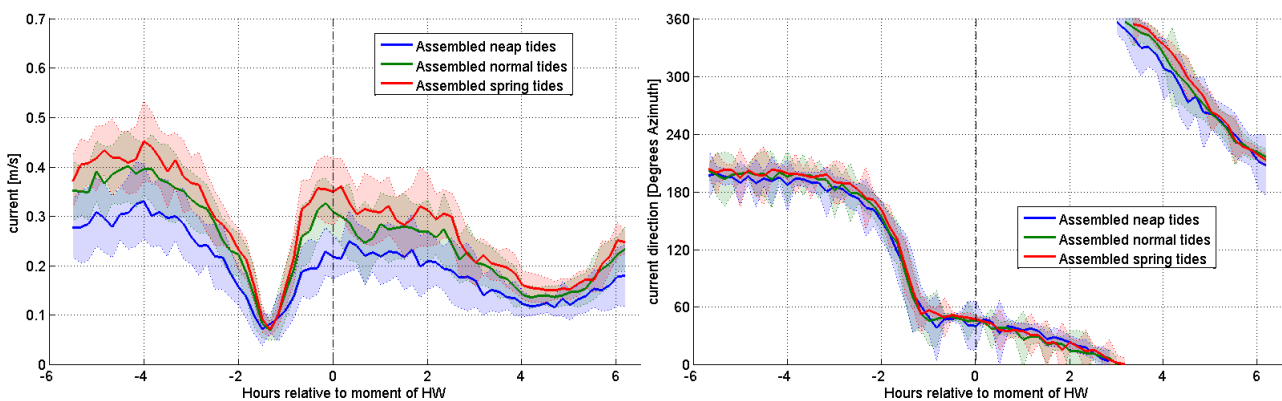


Figure 482 - Tripod deployment Blighbank (ADV): 05/05/2010 - 01/06/2010 - Mean and stdv of the assembled current magnitude (left) and direction (right) at 0.18mab



E.4 OD Nature Tripod deployment Gootebank – ADV

E.4.1 Tripod deployment Gootebank (ADV): June - July 2009

Figure 483 - Tripod deployment Gootebank (ADV): June - July 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

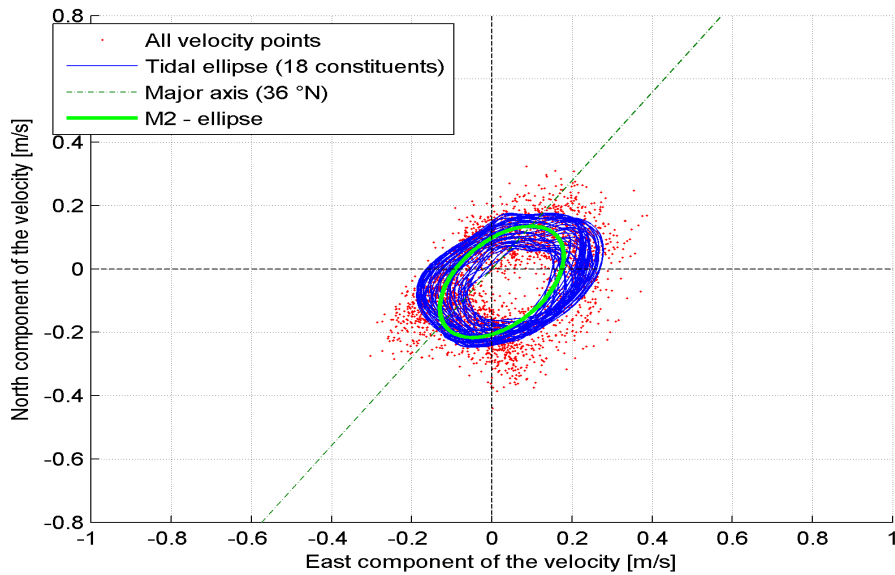


Figure 484 - Tripod deployment Gootebank (ADV): June - July 2009 - East and North velocity components [m/s] at 0.18mab

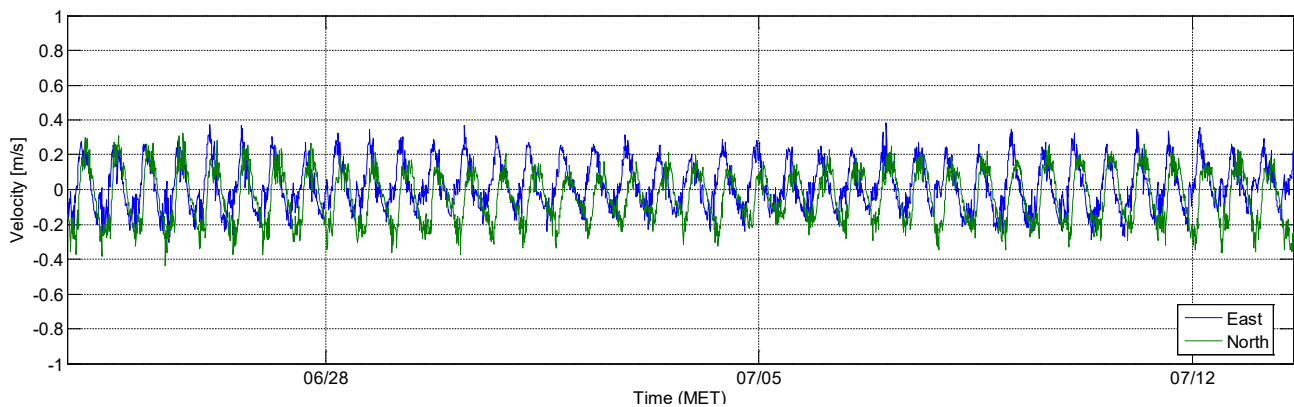


Figure 485 - Tripod deployment Gootebank (ADV): June - July 2009 - Flow decomposed along the estimated major axis (36°N) [m/s] at 0.18mab

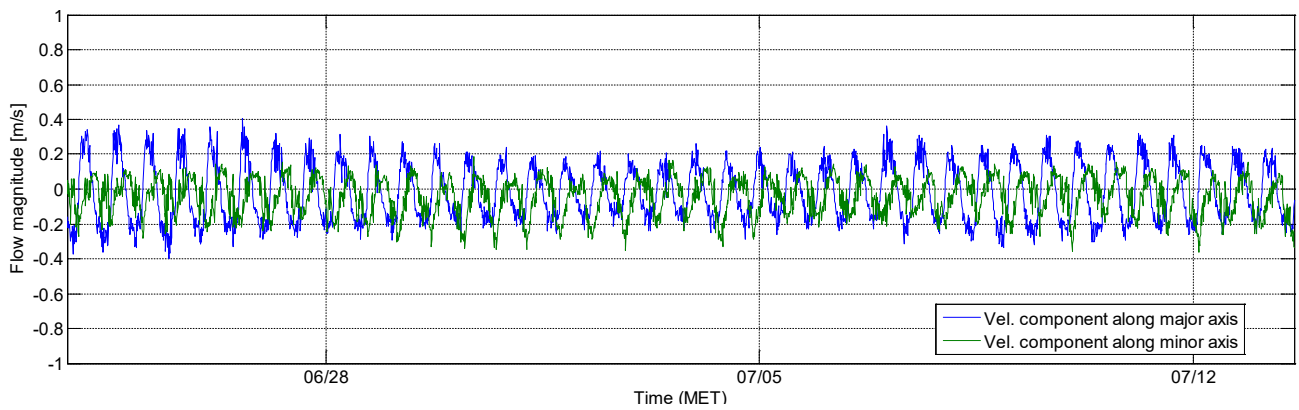


Figure 486 - Tripod deployment Gootebank (ADV): June - July 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=35.1°, dev=16.76°

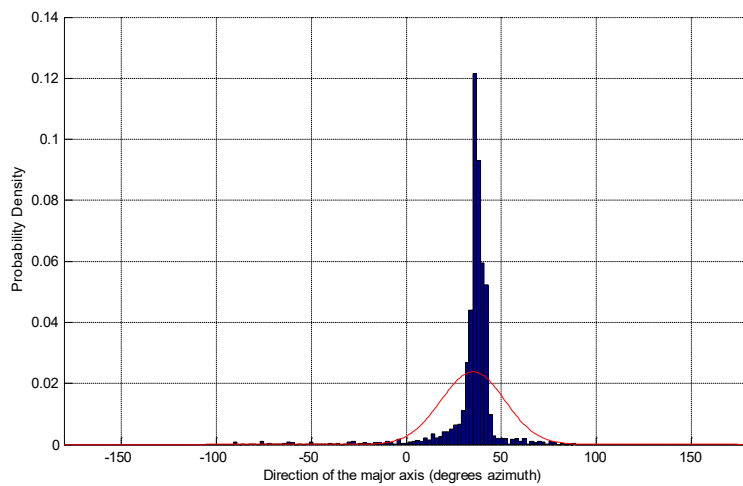
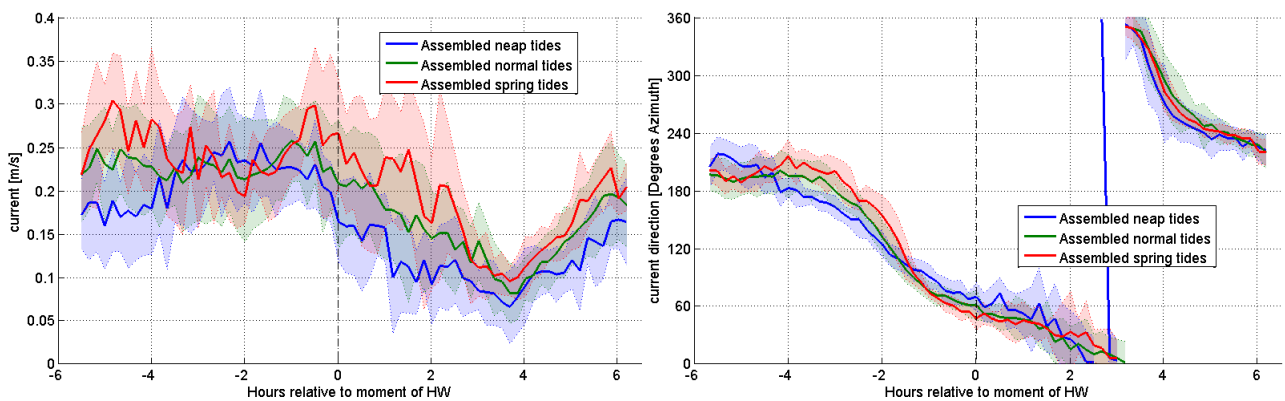


Figure 487 - Tripod deployment Gootebank (ADV): 23/06/2009 - 13/07/2009 - Mean and stdv of the assembled current magnitude (left) and direction (right) at 0.18mab



E.4.2 Tripod deployment Gootebank (ADV): October - December 2009

Figure 488 - Tripod deployment Gootebank (ADV): October - December 2009 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (36 constituents)

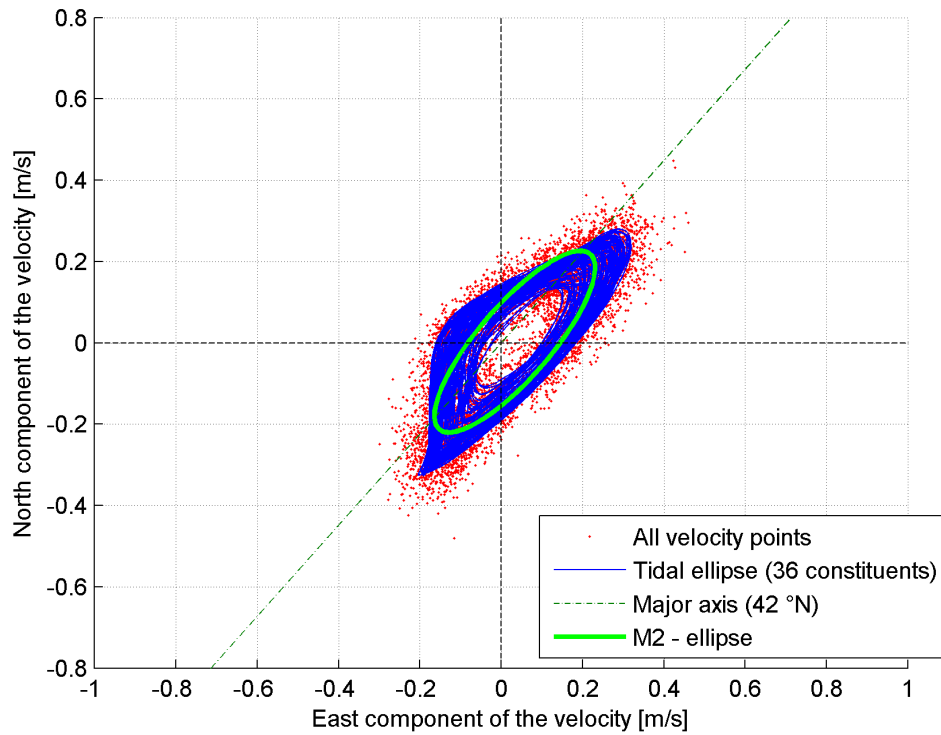


Figure 489 - Tripod deployment Gootebank (ADV): October - December 2009 - East and North velocity components [m/s] at 0.18mab

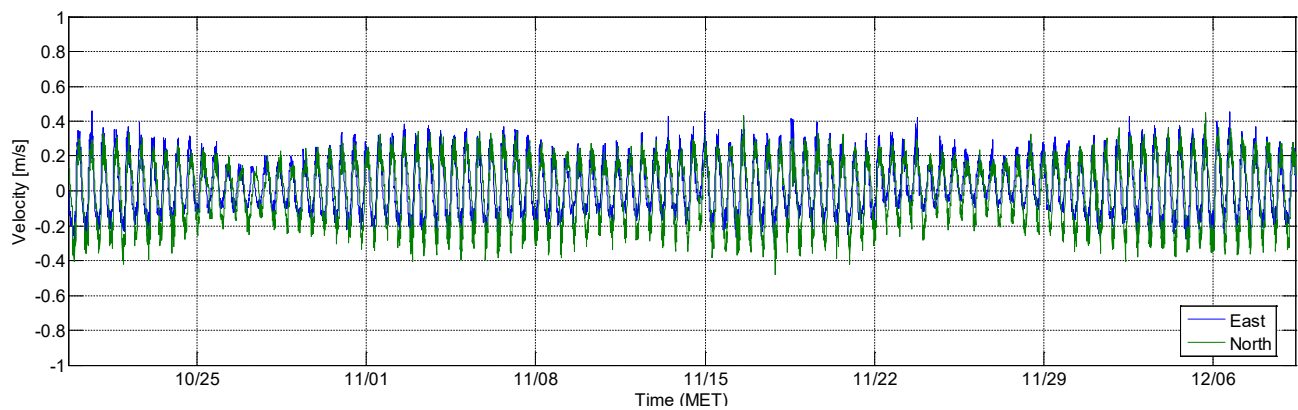


Figure 490 - Tripod deployment Gootebank (ADV): October - December 2009 - Flow decomposed along the estimated major axis (42°N) [m/s] at 0.18mab

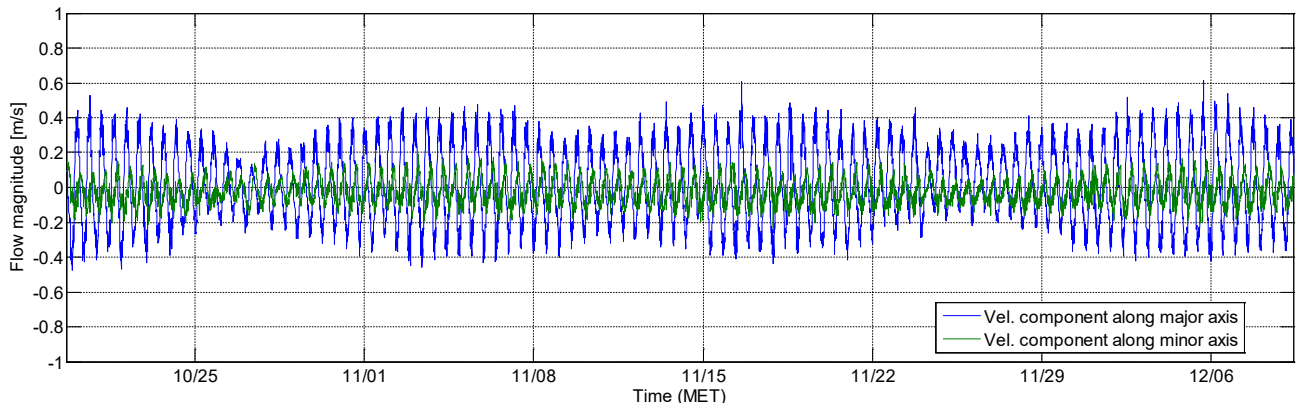


Figure 491 - Tripod deployment Gootebank (ADV): October - December 2009 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=41.7°, dev=0.85°

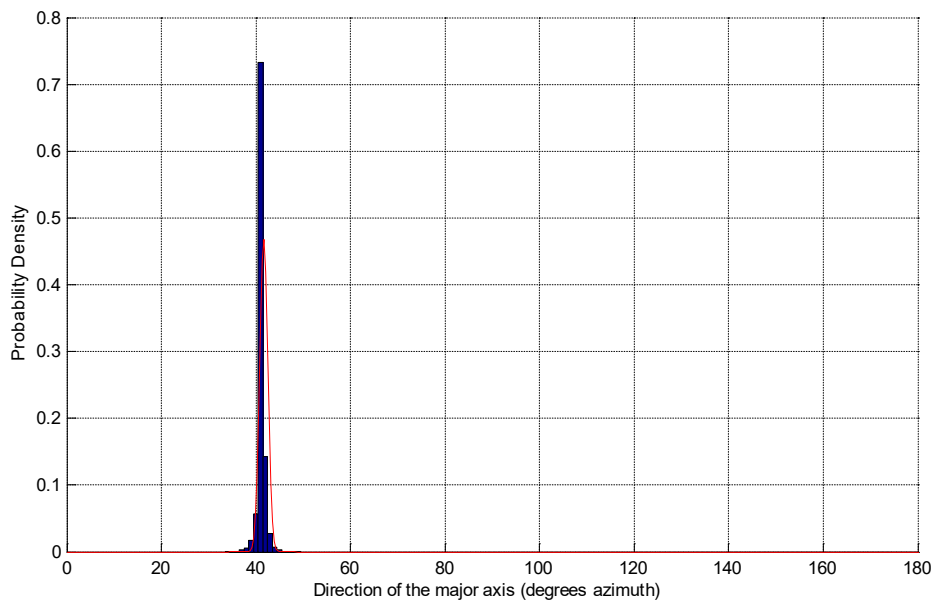
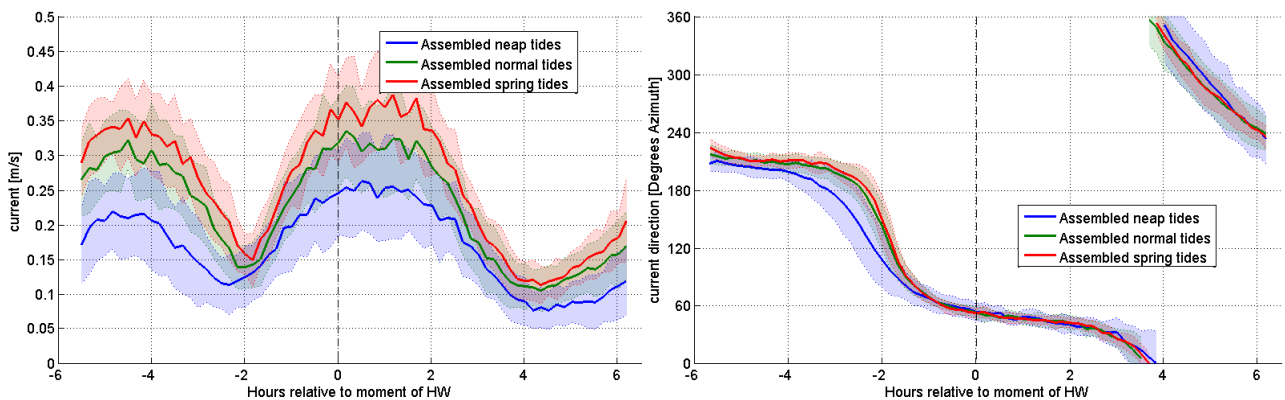


Figure 492 - Tripod deployment Gootebank (ADV): 19/10/2009 - 09/12/2009 - Mean and stdv of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5 OD Nature Tripod deployment WZbuoy – ADVOcean

E.5.1 Tripod deployment WZbuoy (ADV): March - April 2013

Figure 493 - Tripod deployment WZbuoy (ADV): March - April 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

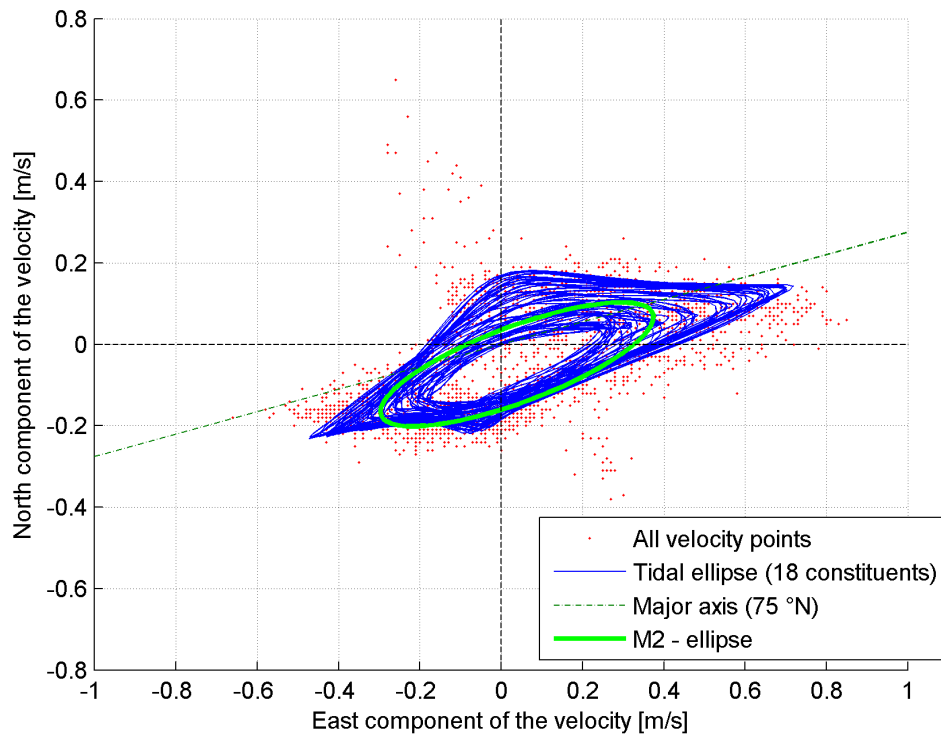


Figure 494 - Tripod deployment WZbuoy (ADV): March - April 2013 - East and North velocity components [m/s] at 0.18mab

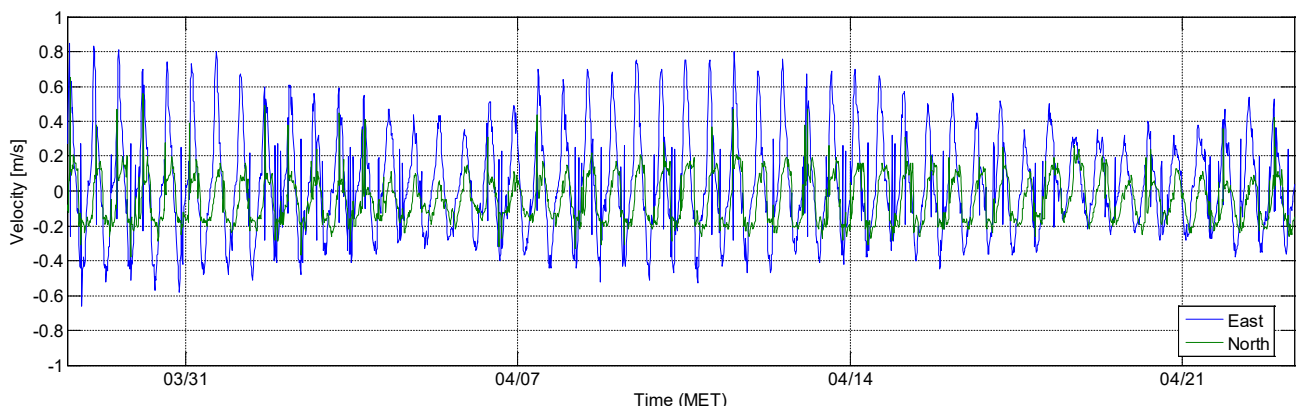


Figure 495 - Tripod deployment WZbuoy (ADV): March - April 2013 - Flow decomposed along the estimated major axis (75°N) [m/s] at 0.18mab

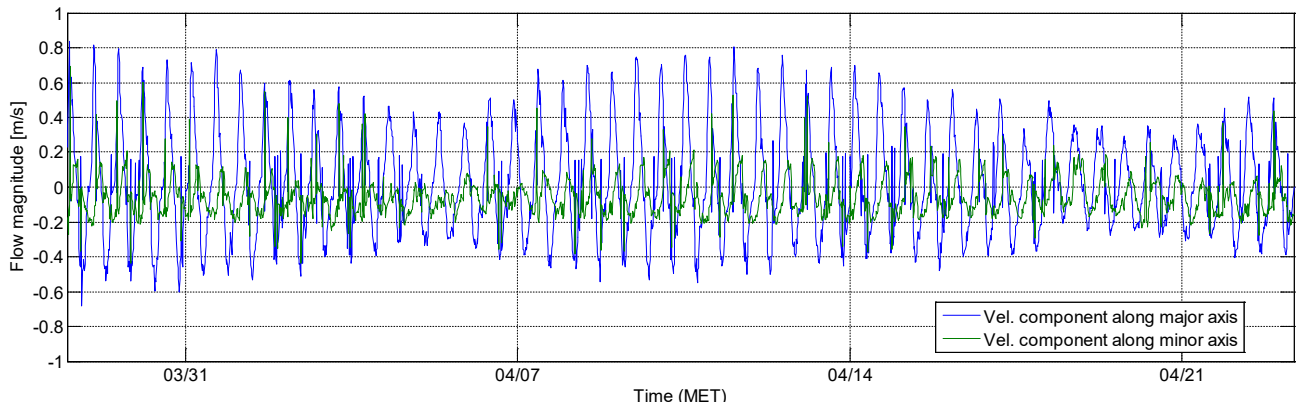


Figure 496 - Tripod deployment WZbuoy (ADV): March - April 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=74.3°, dev=2.18°

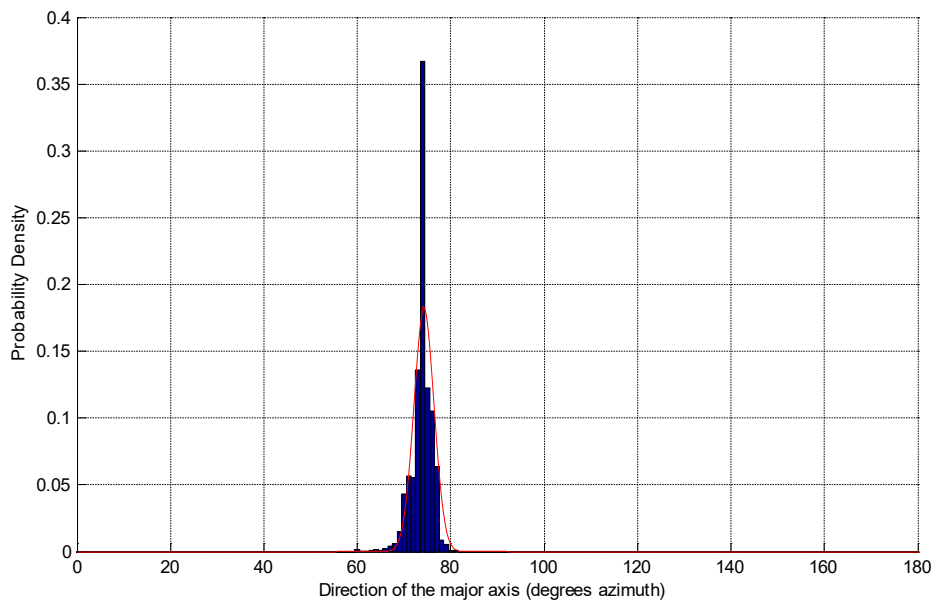
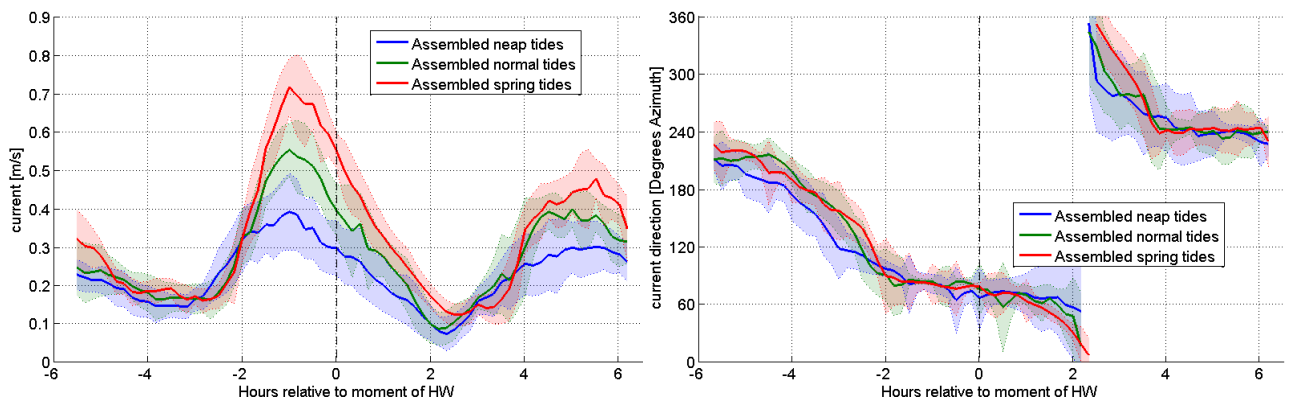


Figure 497 - Tripod deployment WZbuoy (ADV): 28/03/2013 - 23/04/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5.2 Tripod deployment WZbuoy (ADV): April - May 2013

Figure 498 - Tripod deployment WZbuoy (ADV): April - May 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

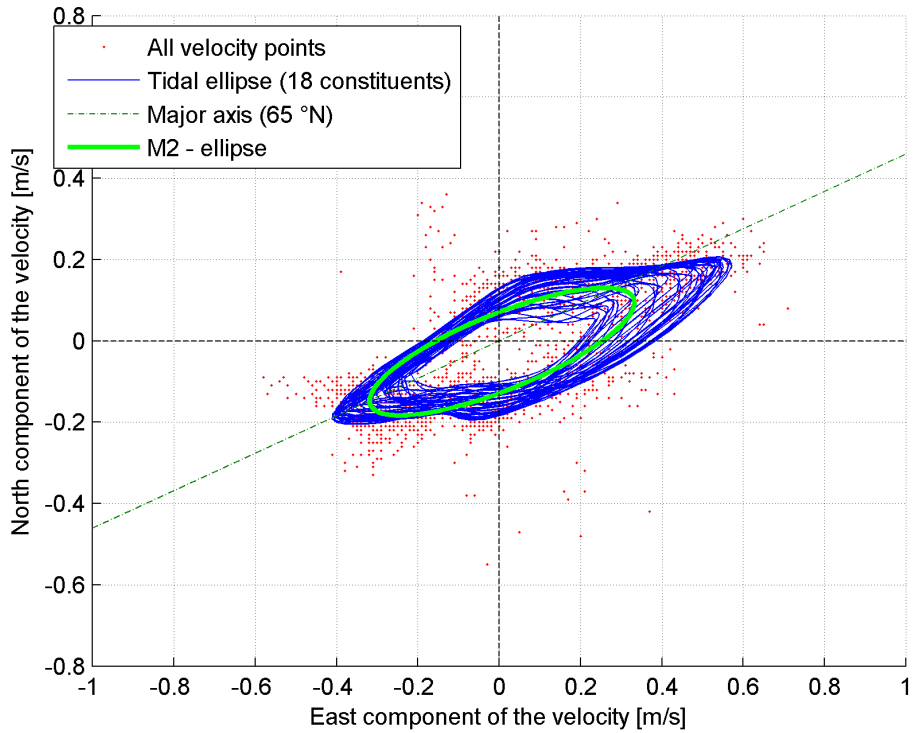


Figure 499 - Tripod deployment WZbuoy (ADV): April - May 2013 - East and North velocity components [m/s] at 0.18mab

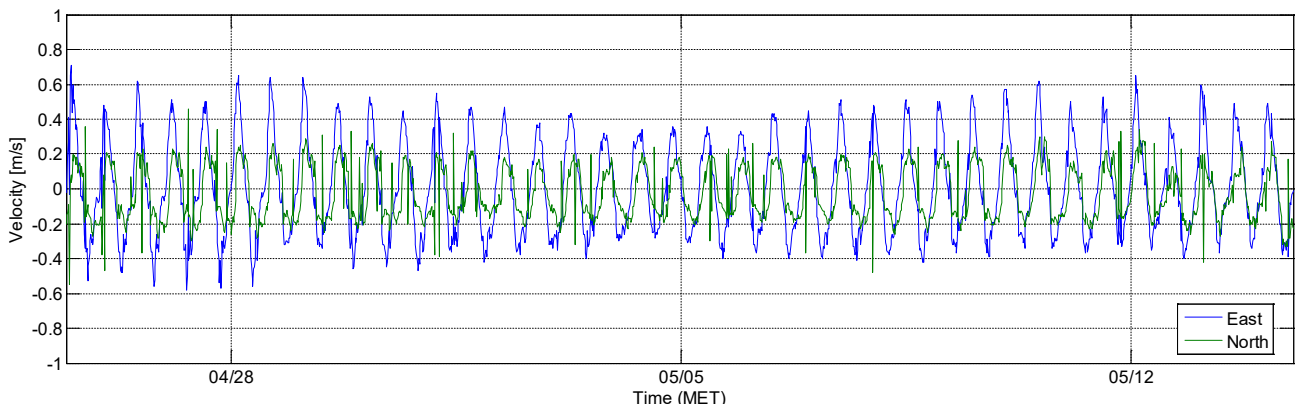


Figure 500 - Tripod deployment WZbuoy (ADV): April - May 2013 - Flow decomposed along the estimated major axis (65°N) [m/s] at 0.18mab

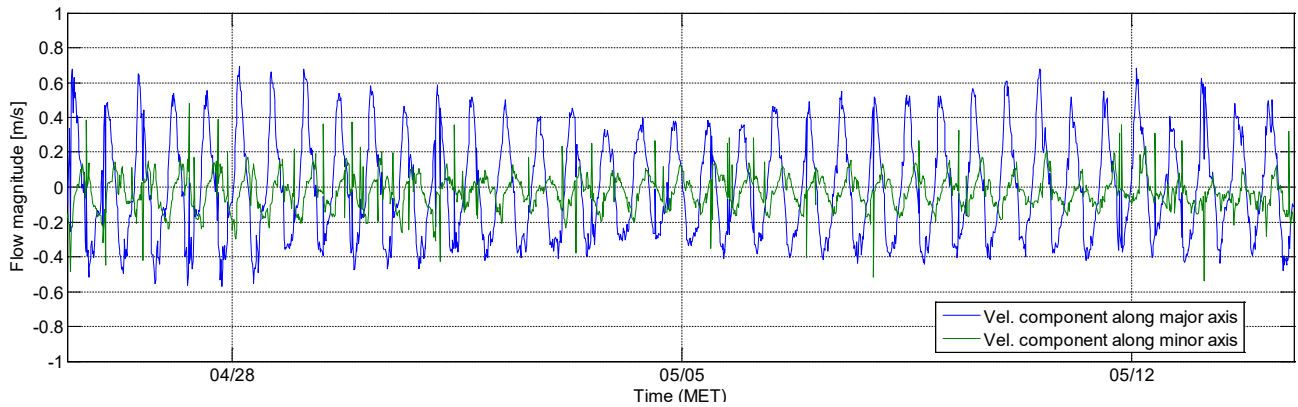


Figure 501 - Tripod deployment WZbuoy (ADV): April - May 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=65.4°, dev=1.00°

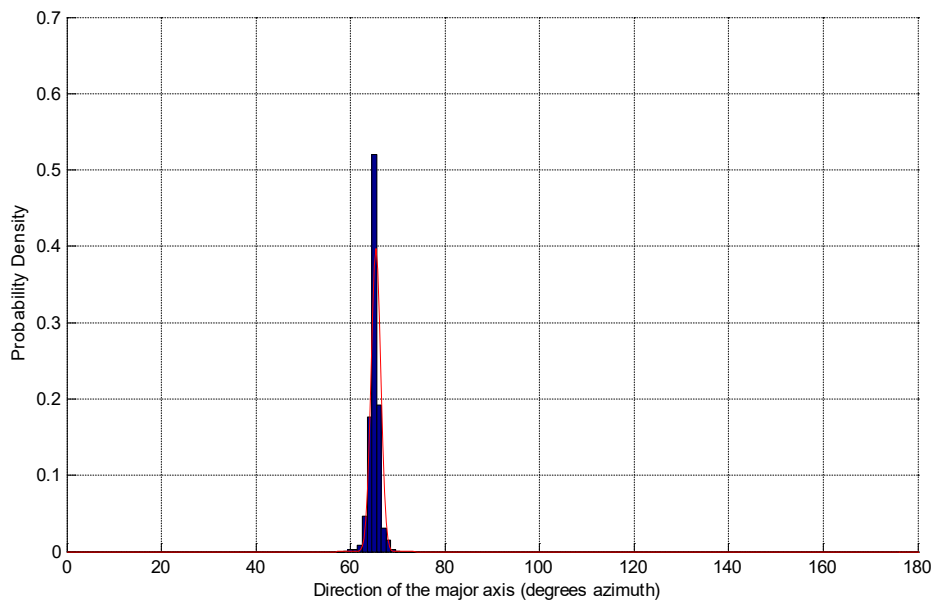
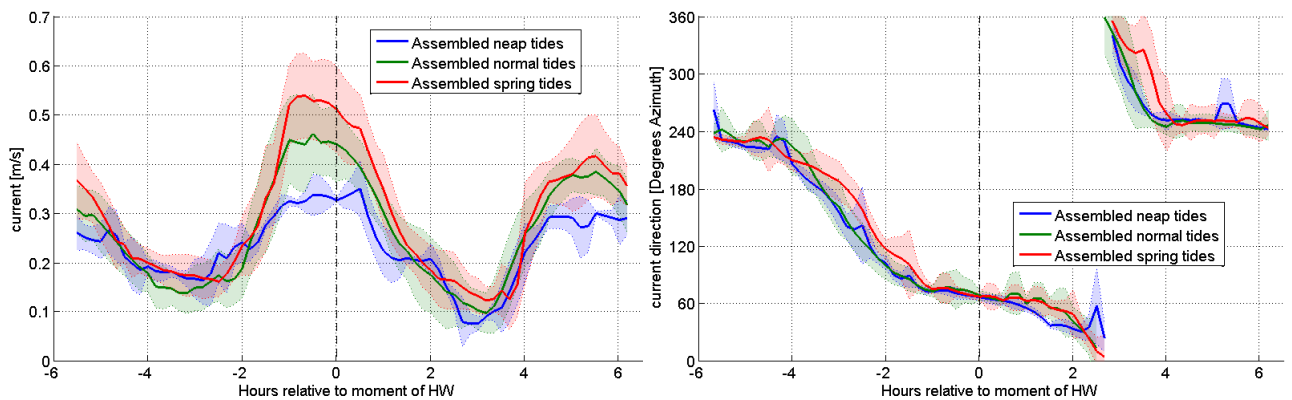


Figure 502 - Tripod deployment WZbuoy (ADV): 25/04/2013 - 14/05/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5.3 Tripod deployment WZbuoy (ADV): June 2013

Figure 503 - Tripod deployment WZbuoy (ADV): June 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

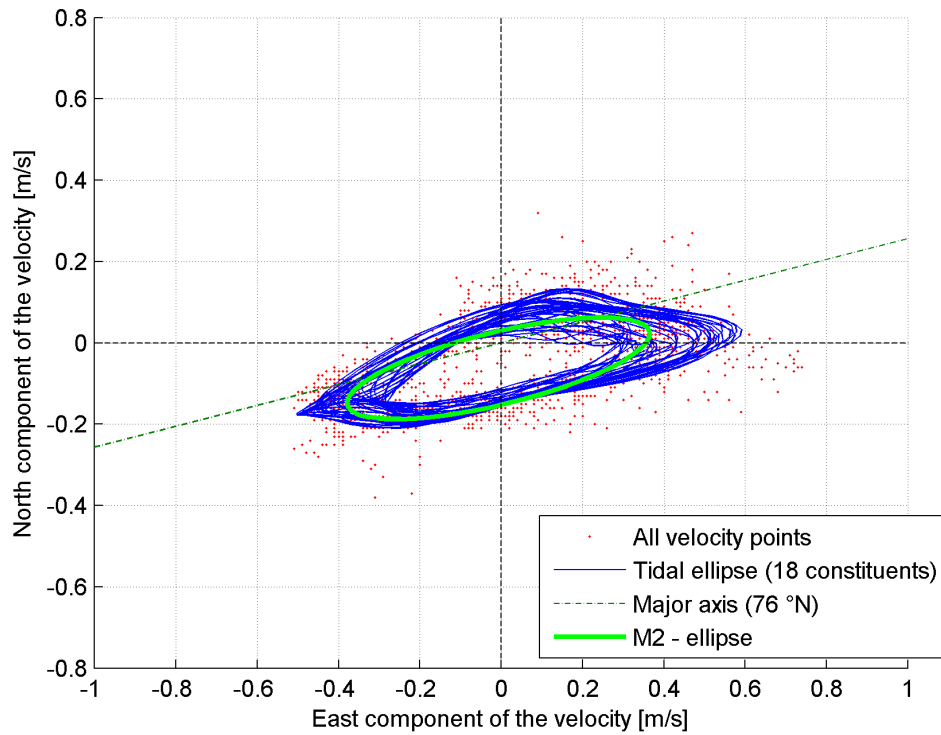


Figure 504 - Tripod deployment WZbuoy (ADV): June 2013 - East and North velocity components [m/s] at 0.18mab

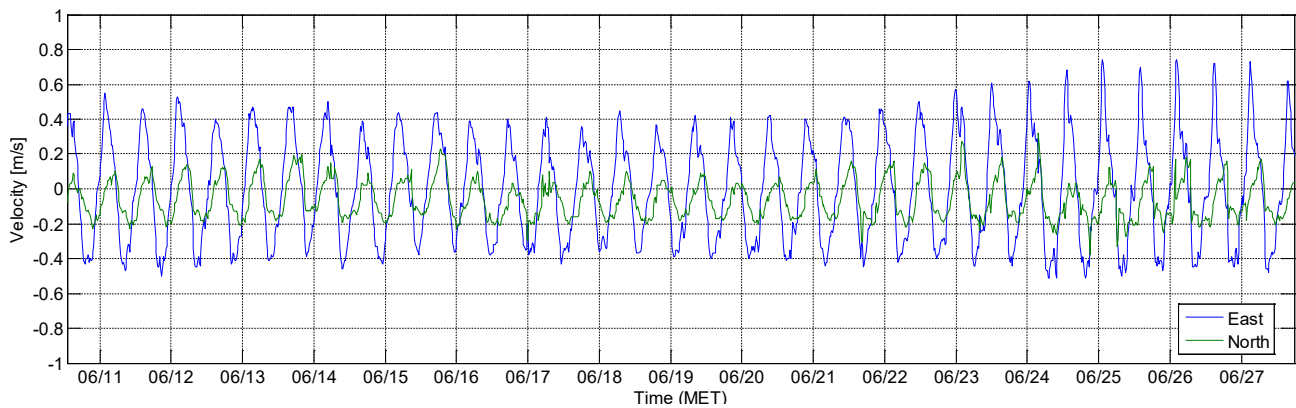


Figure 505 - Tripod deployment WZbuoy (ADV): June 2013 - Flow decomposed along the estimated major axis (76°N) [m/s] at 0.18mab

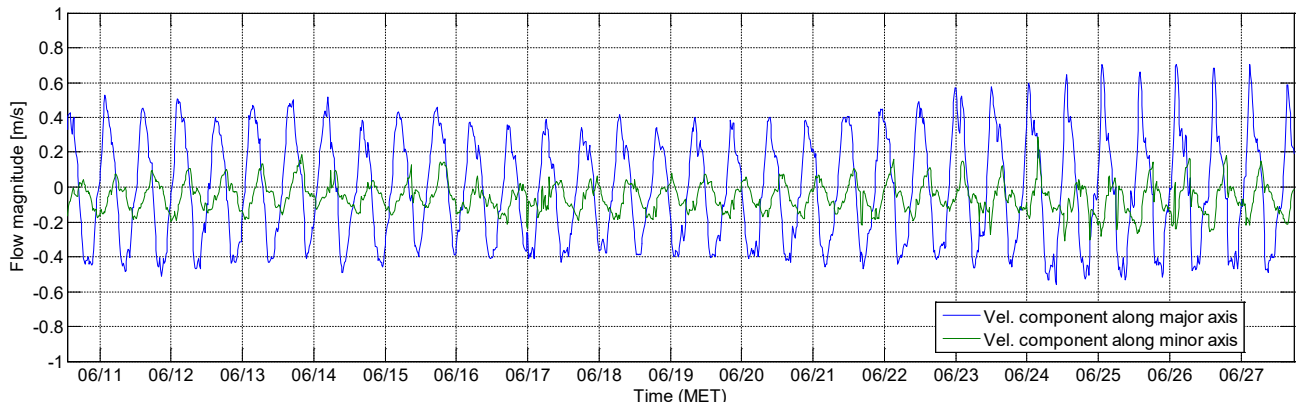


Figure 506 - Tripod deployment WZbuoy (ADV): June 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=74.7°, dev=1.46°

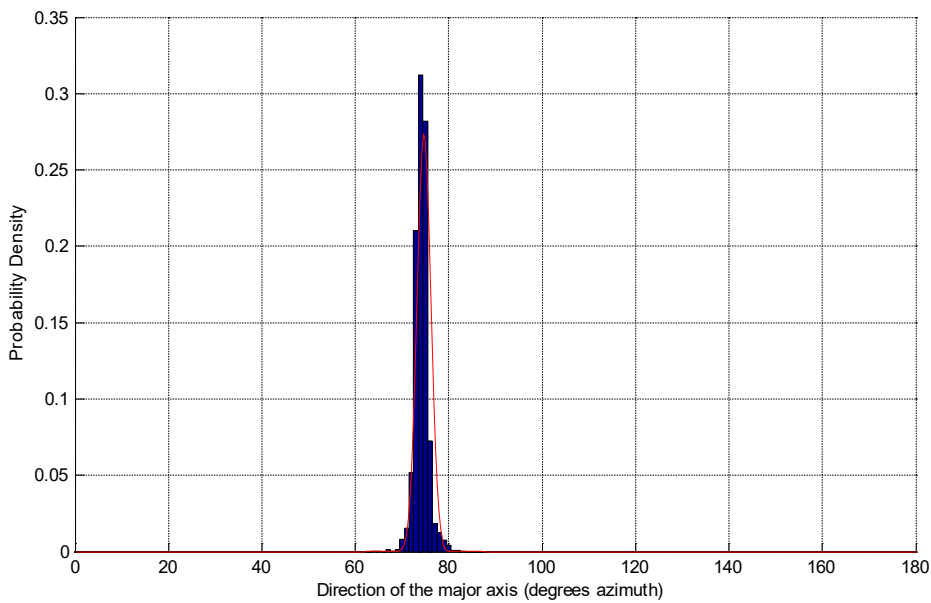
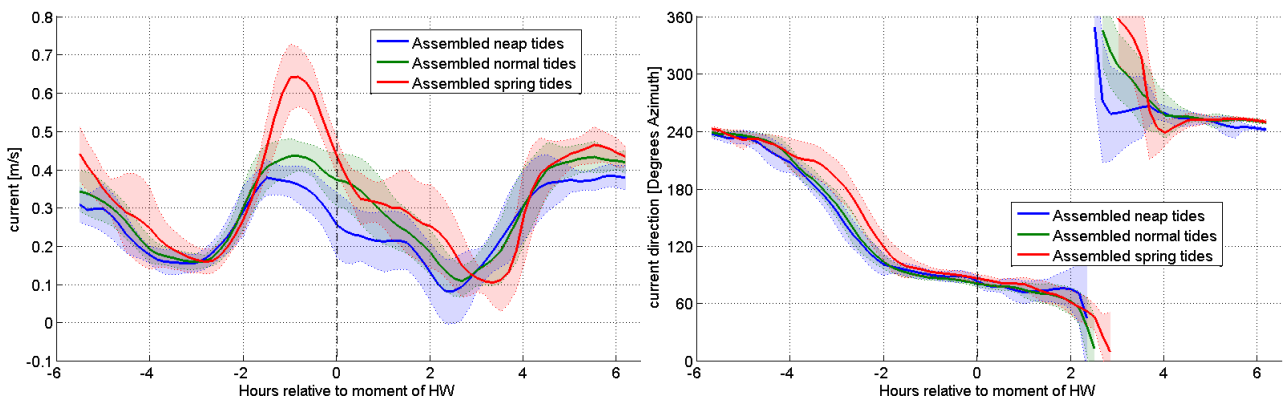


Figure 507 - Tripod deployment WZbuoy (ADV): 10/06/2013 - 27/06/2013 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab



E.5.4 Tripod deployment WZbuoy (ADV): June - July 2013

Figure 508 - Tripod deployment WZbuoy (ADV): June - July 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

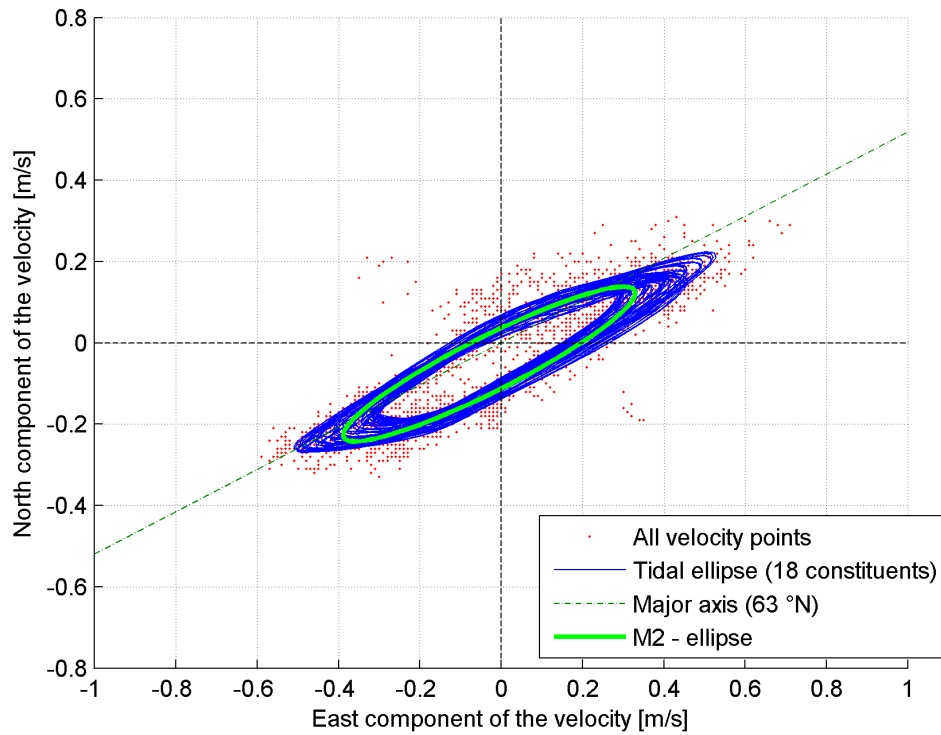


Figure 509 - Tripod deployment WZbuoy (ADV): June - July 2013 - East and North velocity components [m/s] at 0.18mab

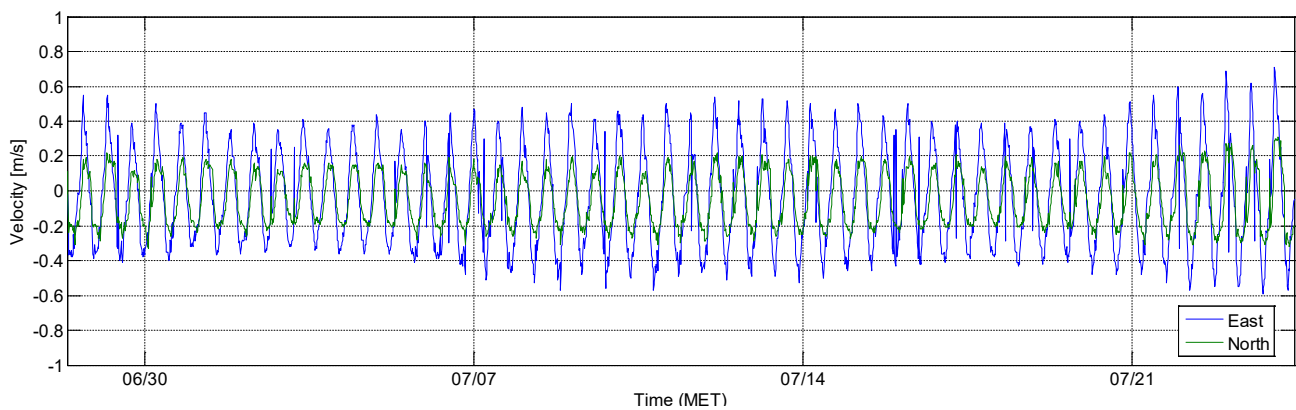


Figure 510 - Tripod deployment WZbuoy (ADV): June - July 2013 - Flow decomposed along the estimated major axis (63°N) [m/s] at 0.18mab

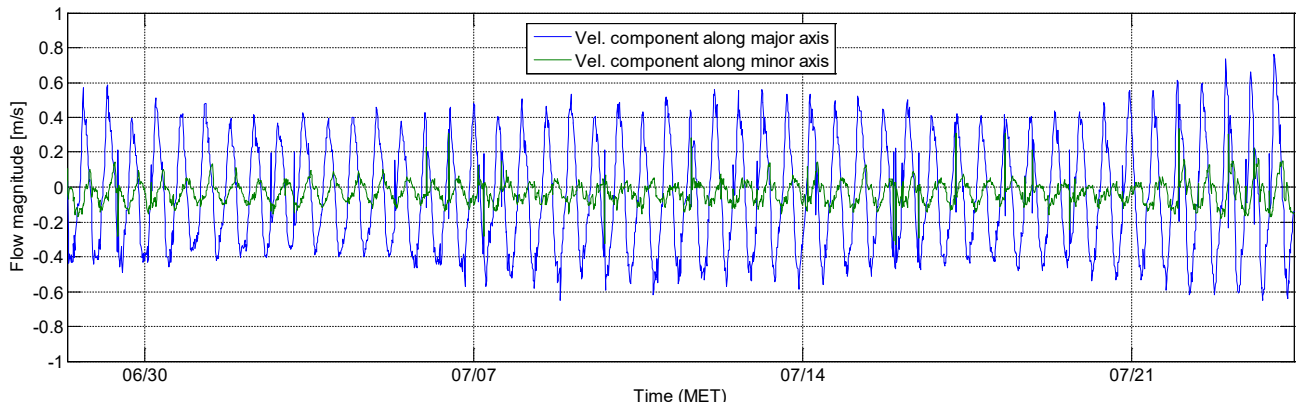


Figure 511 - Tripod deployment WZbuoy (ADV): June - July 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=63.2°, dev=0.70°

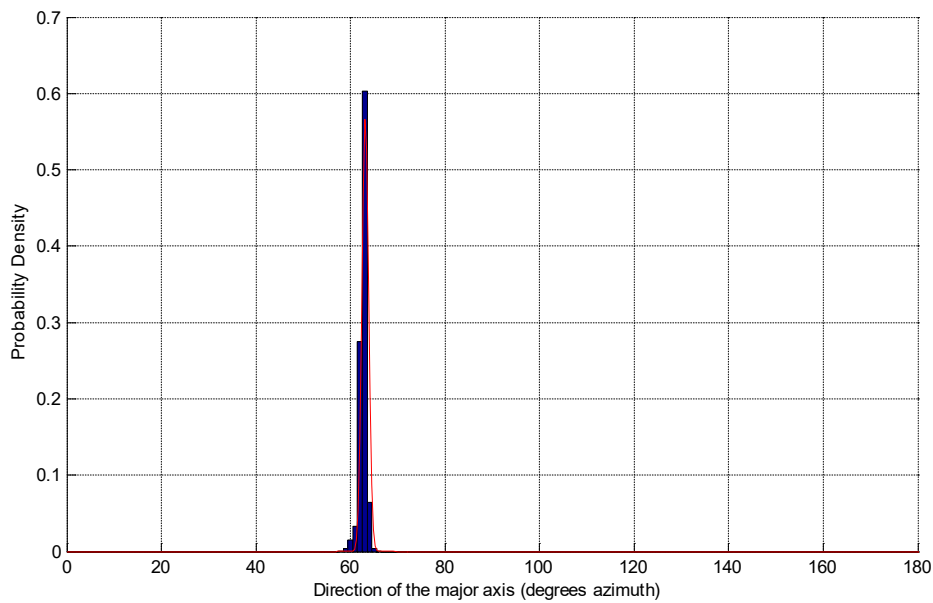
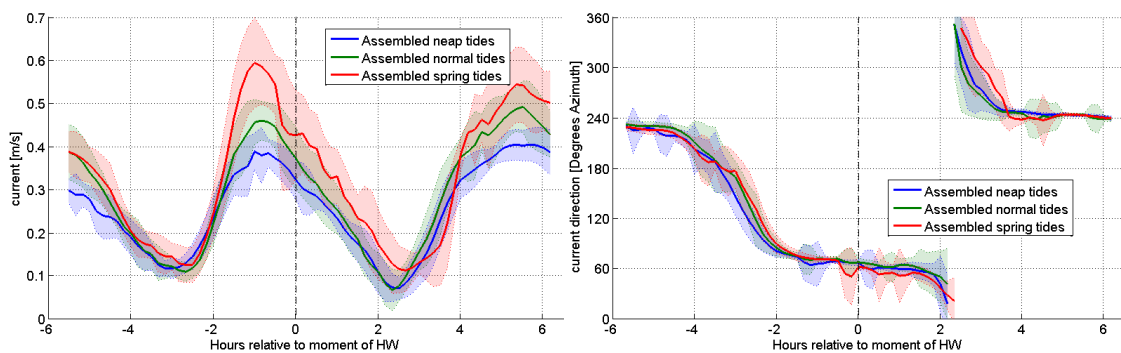


Figure 512 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab, WZbuoy, 28/06/2013 - 24/07/2013



E.5.5 Tripod deployment WZbuoy (ADV): July - August 2013

Figure 513 - Tripod deployment WZbuoy (ADV): July - August 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

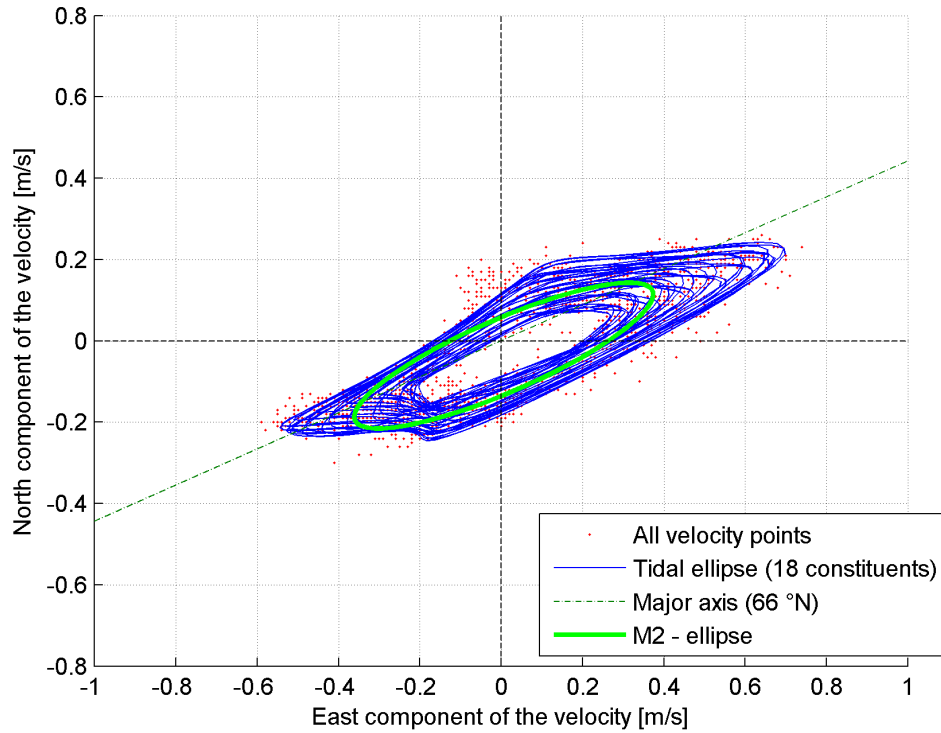


Figure 514 - Tripod deployment WZbuoy (ADV): July - August 2013 - East and North velocity components [m/s] at 0.18mab

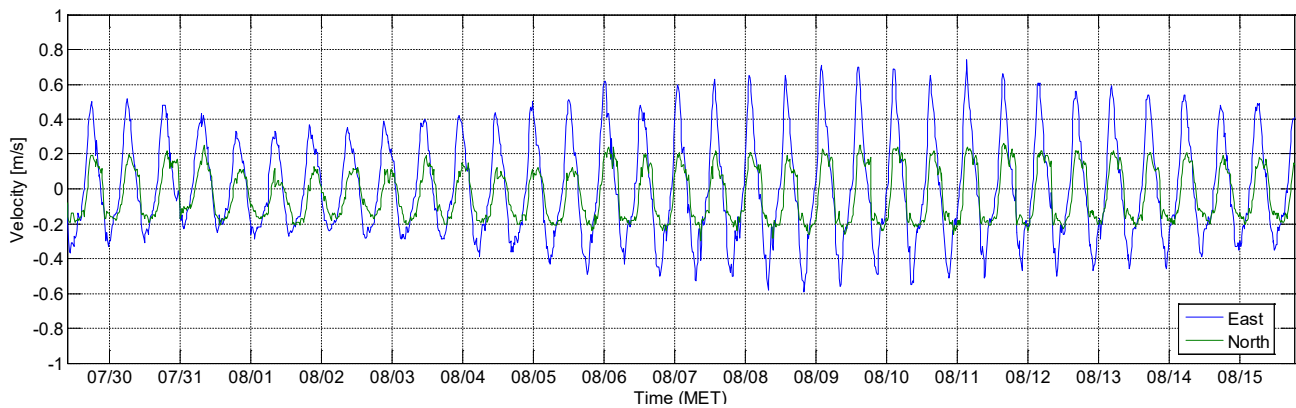


Figure 515 - Tripod deployment WZbuoy (ADV): July - August 2013 - Flow decomposed along the estimated major axis (66°N) [m/s] at 0.18mab

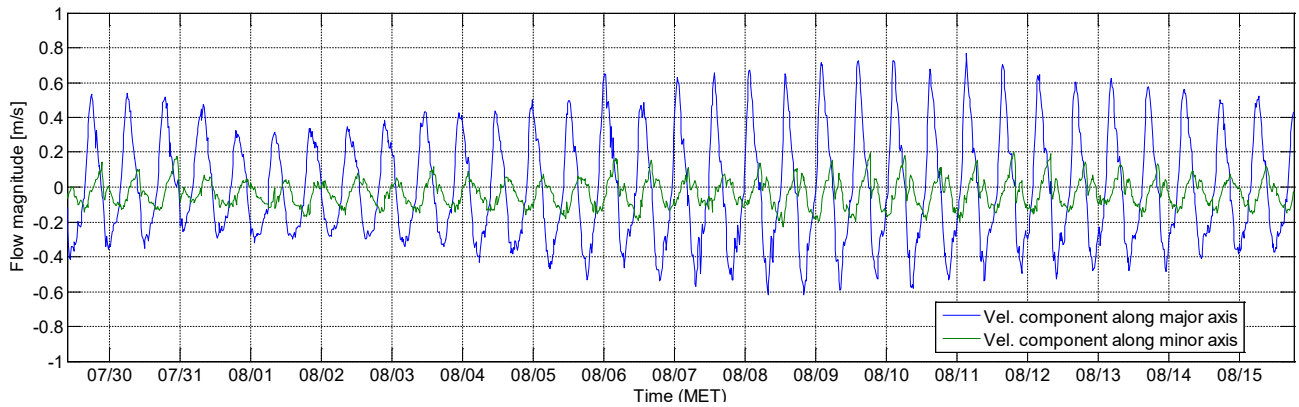


Figure 516 - Tripod deployment WZbuoy (ADV): July - August 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=66.4°, dev=0.89°

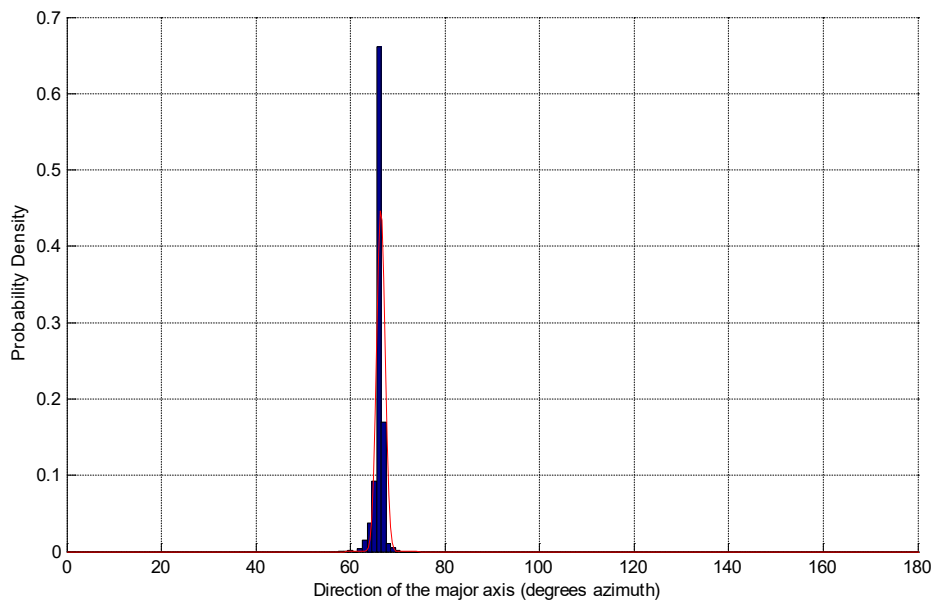
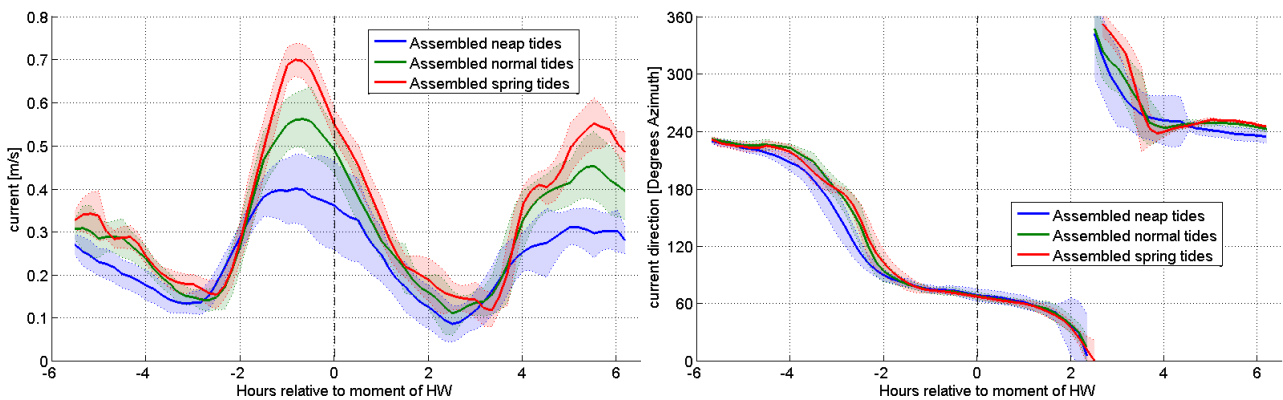


Figure 517 - Tripod deployment WZbuoy (ADV): 29/07/2013 - 21/08/2013 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab



E.5.6 Tripod deployment WZbuoy (ADV): August - September 2013

Figure 518 - Tripod deployment WZbuoy (ADV): August - September 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

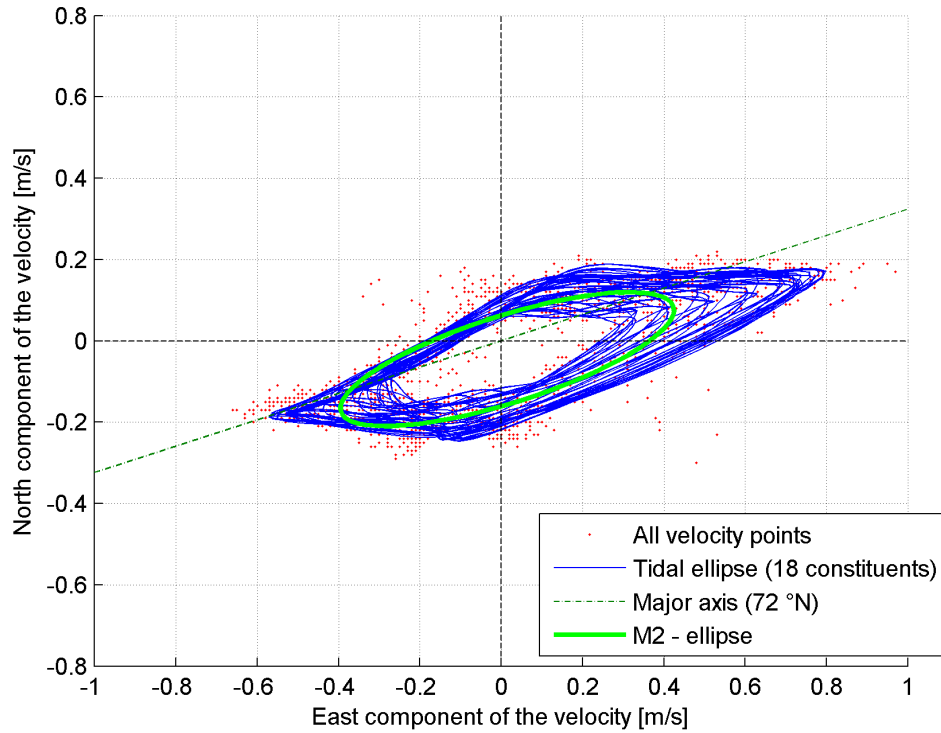


Figure 519 - Tripod deployment WZbuoy (ADV): August - September 2013 - East and North velocity components [m/s] at 0.18mab

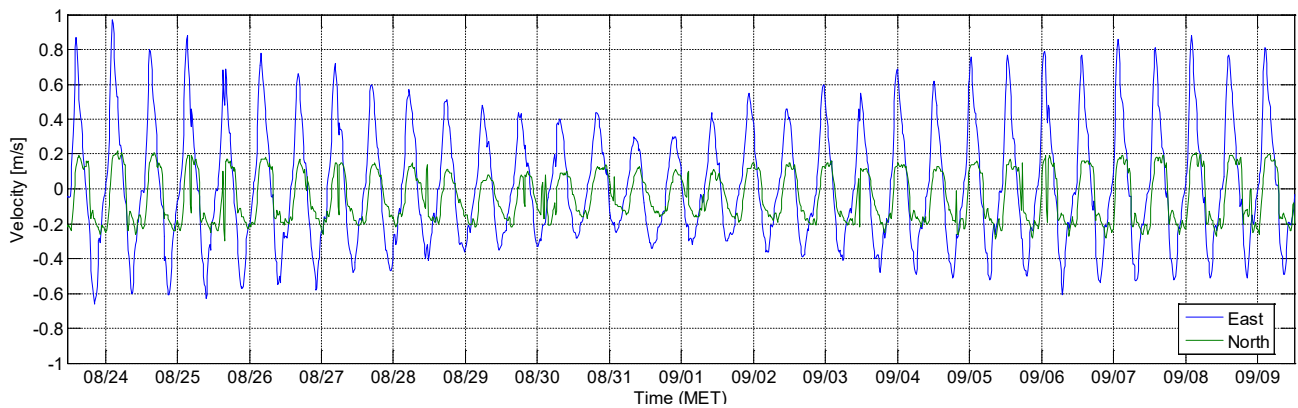


Figure 520 - Tripod deployment WZbuoy (ADV): August - September 2013 - Flow decomposed along the estimated major axis (72°N) [m/s] at 0.18mab

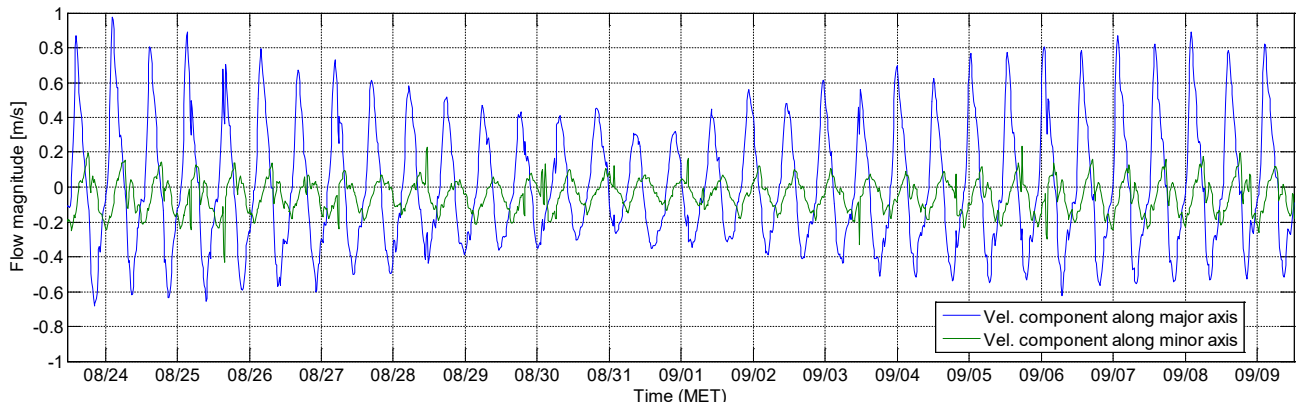


Figure 521 - Tripod deployment WZbuoy (ADV): August - September 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=72.0°, dev=0.78°

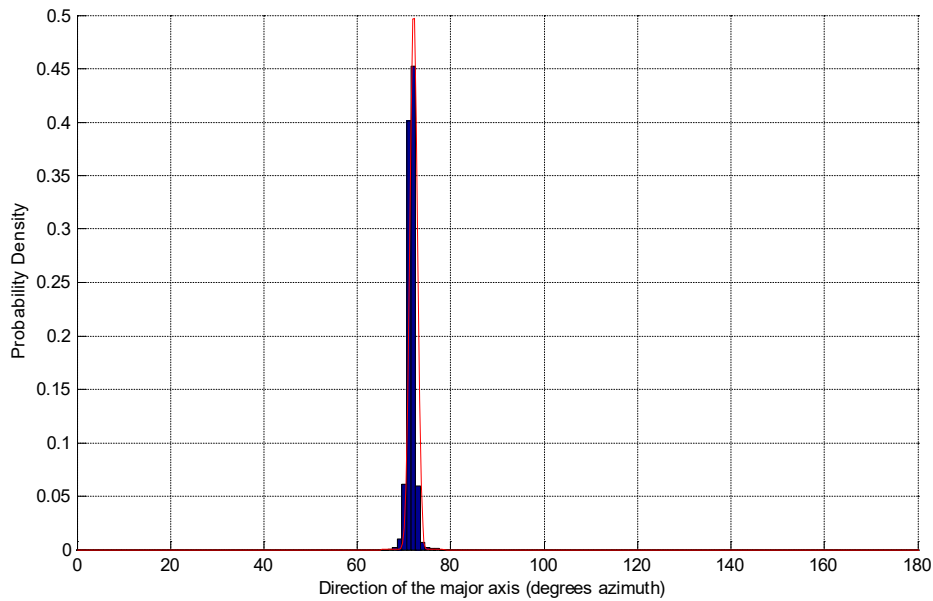
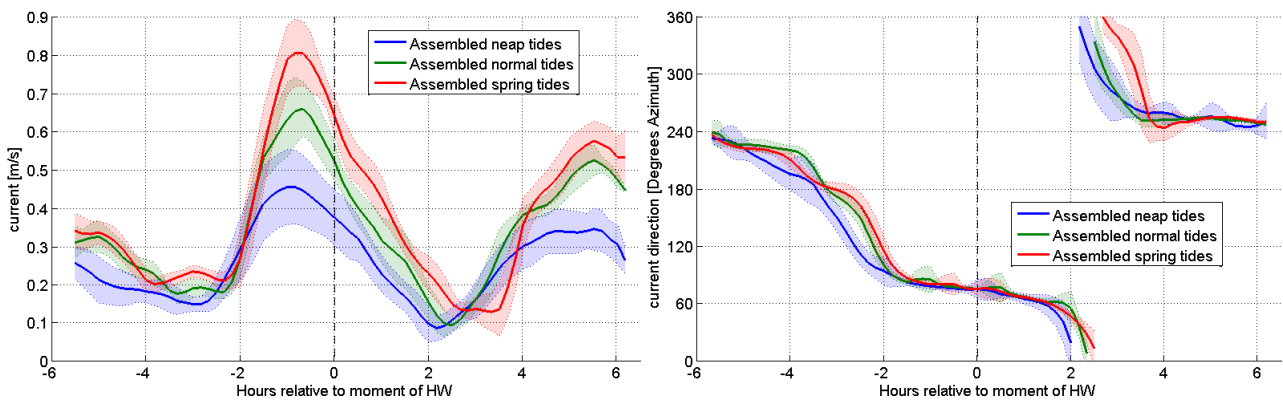


Figure 522 - Tripod deployment WZbuoy (ADV): 23/08/2013 - 09/09/2013 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab



E.5.7 Tripod deployment WZbuoy (ADV): September - October 2013

Figure 523 - Tripod deployment WZbuoy (ADV): September - October 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (30 constituents)

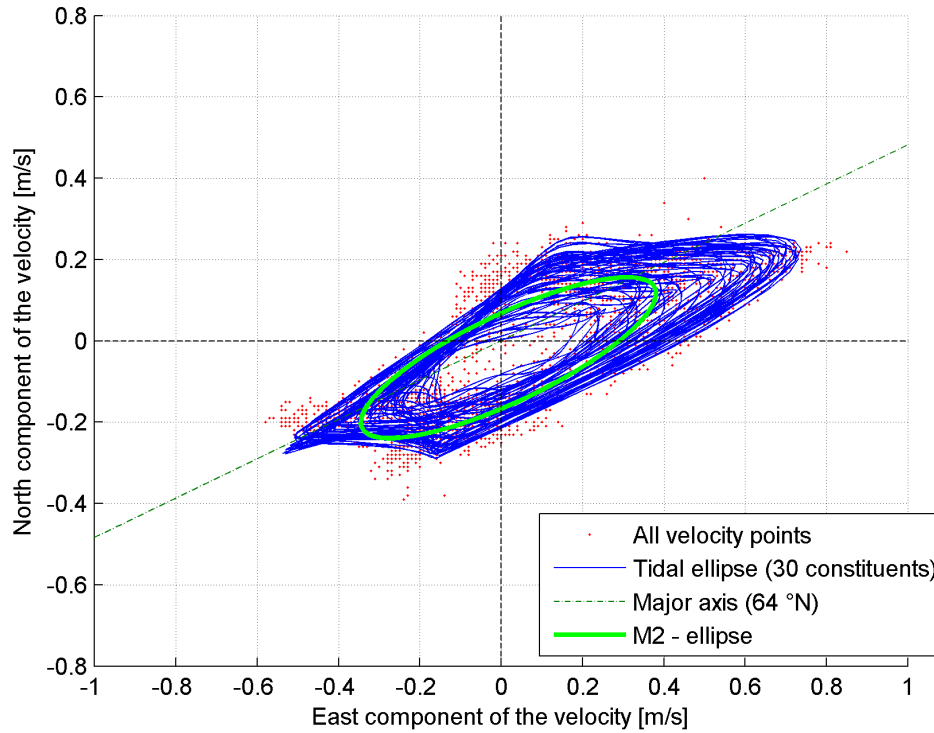


Figure 524 - Tripod deployment WZbuoy (ADV): September - October 2013 - East and North velocity components [m/s] at 0.18mab

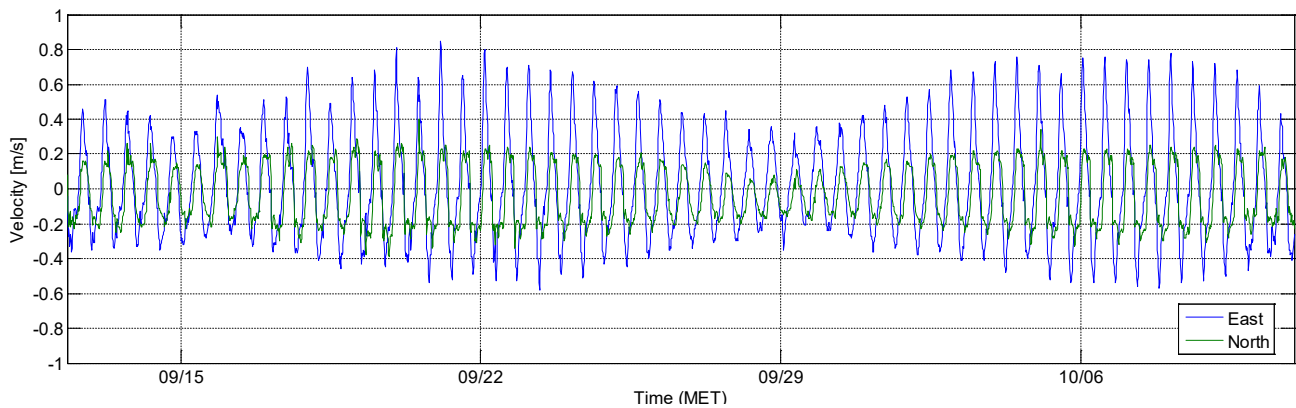


Figure 525 - Tripod deployment WZbuoy (ADV): September - October 2013 - Flow decomposed along the estimated major axis (64°N) [m/s] at 0.18mab

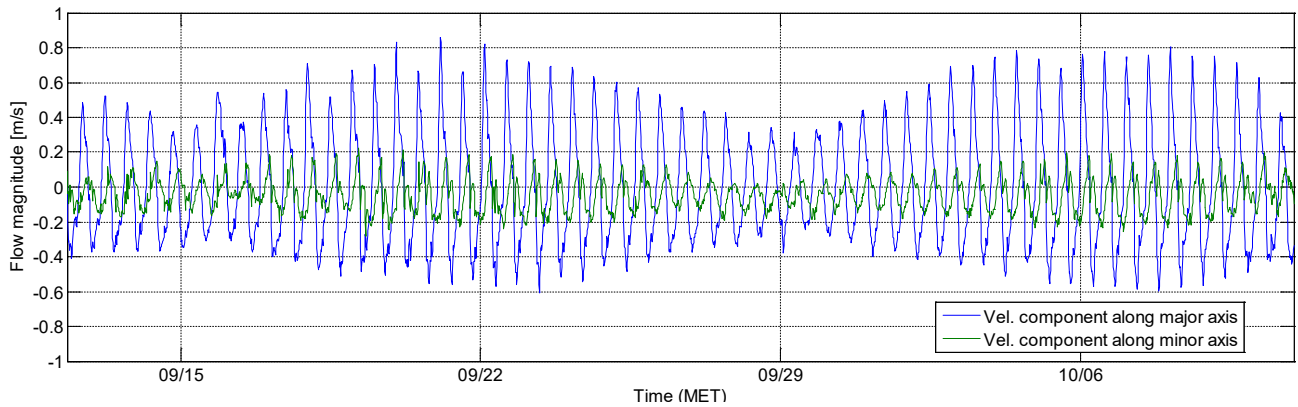


Figure 526 - Tripod deployment WZbuoy (ADV): September - October 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=64.7°, dev=1.54°

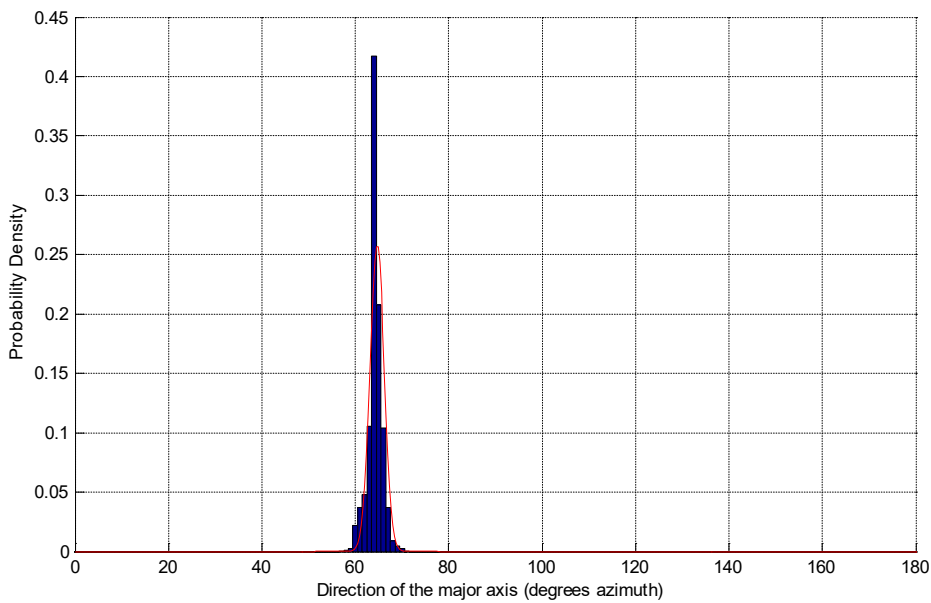
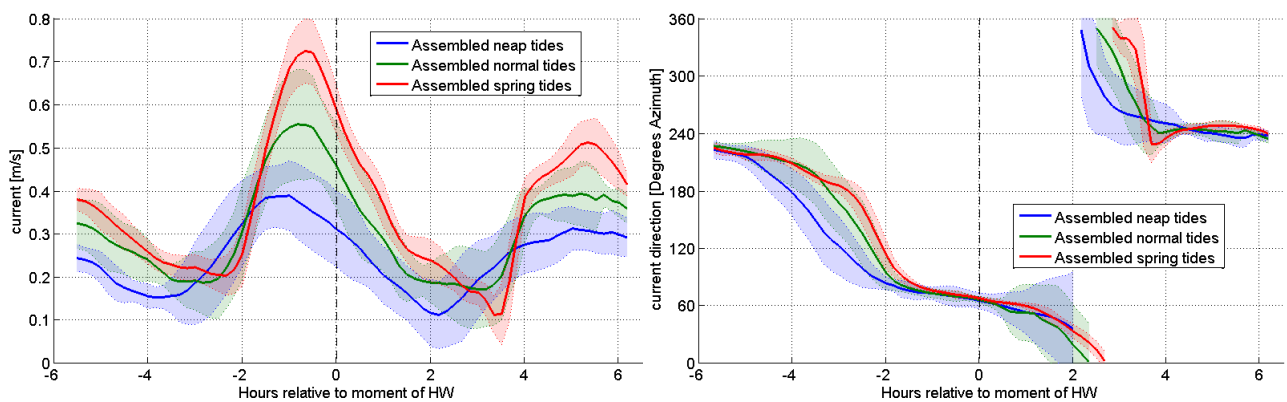


Figure 527 - Tripod deployment WZbuoy (ADV): 12/09/2013 - 14/10/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5.8 Tripod deployment WZbuoy (ADV): October - November 2013

Figure 528 - Tripod deployment WZbuoy (ADV): October - November 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (18 constituents)

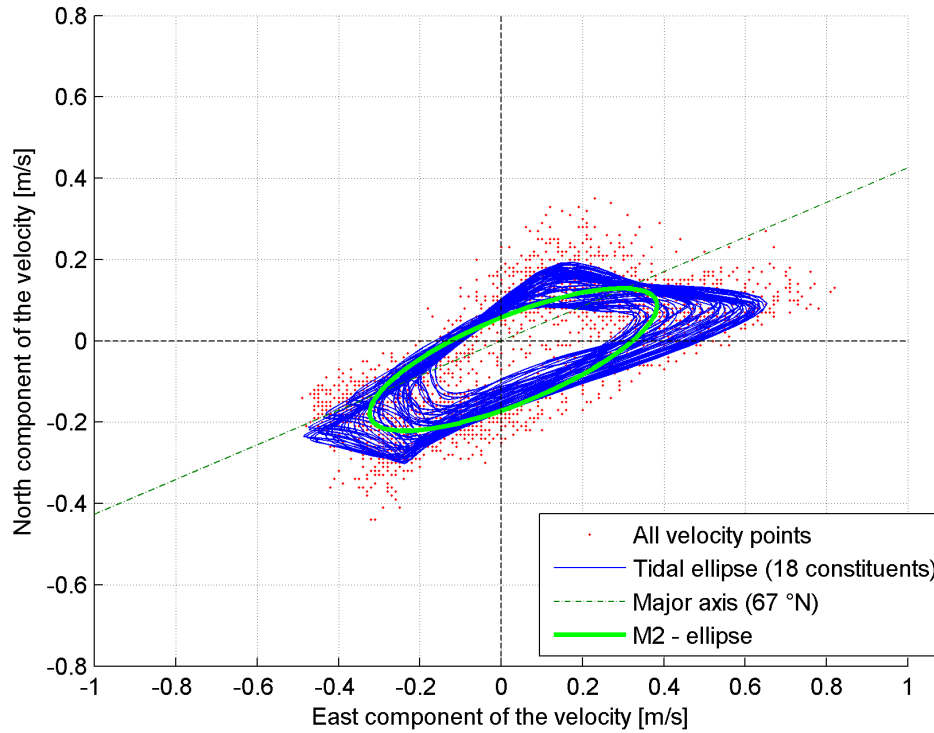


Figure 529 - Tripod deployment WZbuoy (ADV): October - November 2013 - East and North velocity components [m/s] at 0.18mab

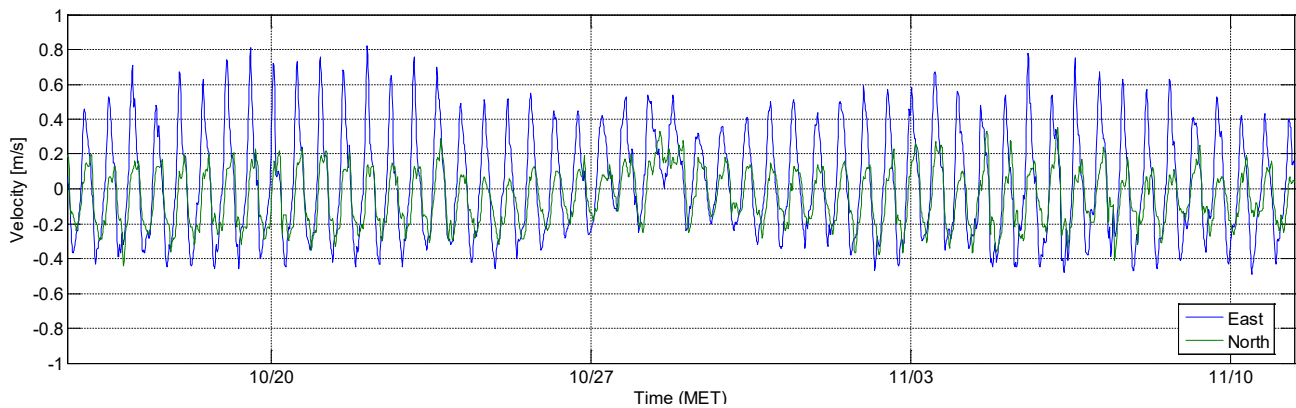


Figure 530 - Tripod deployment WZbuoy (ADV): October - November 2013 - Flow decomposed along the estimated major axis (67°N) [m/s] at 0.18mab

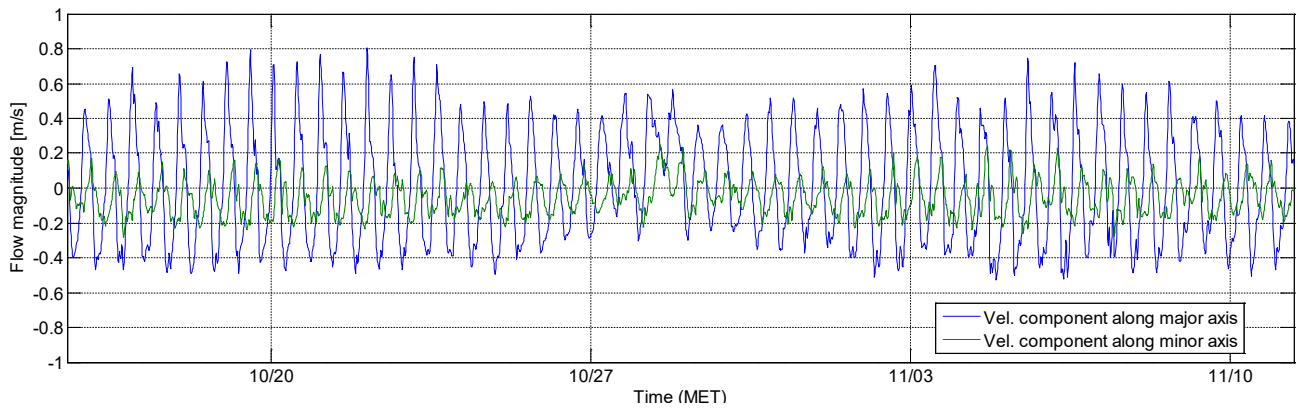


Figure 531 - Tripod deployment WZbuoy (ADV): October - November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=66.8°, dev=1.36°

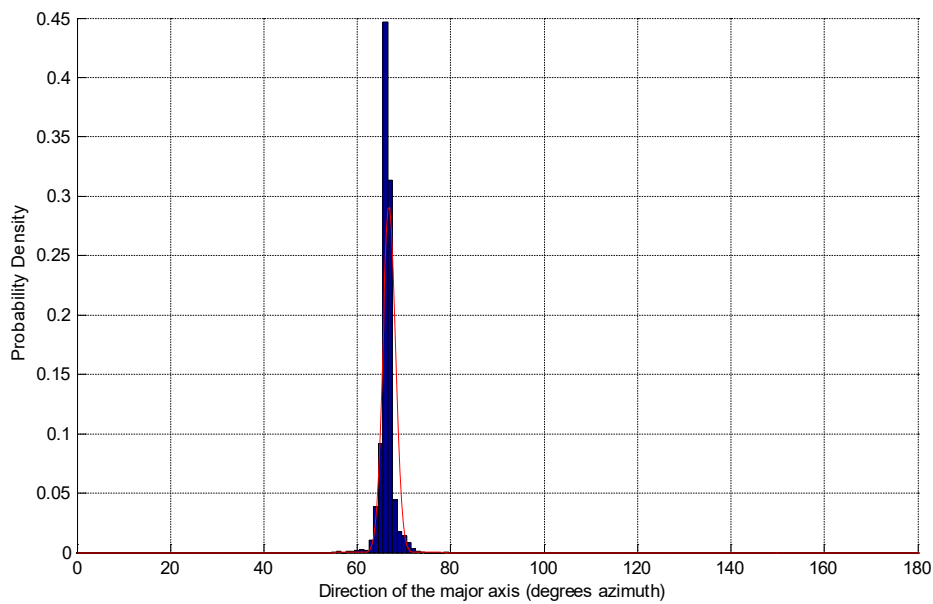
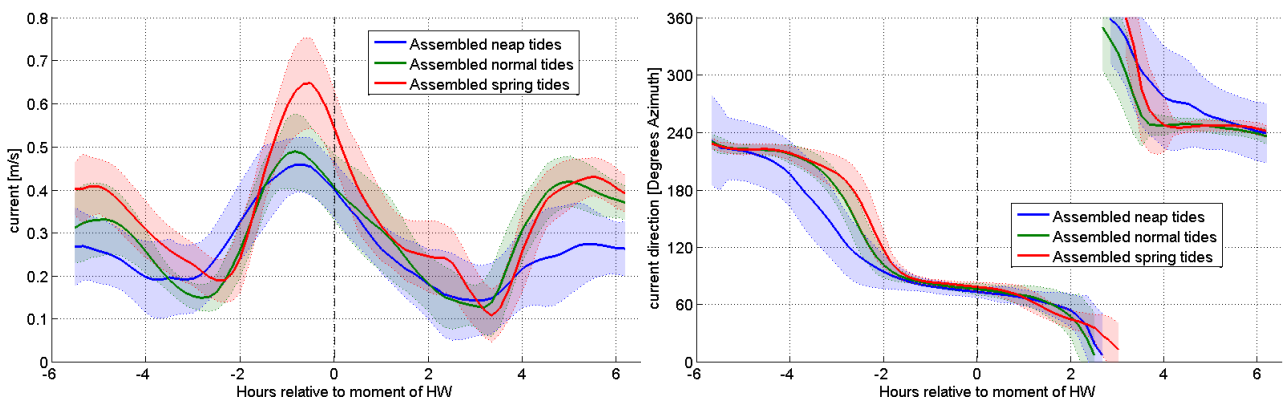


Figure 532 - Tripod deployment WZbuoy (ADV): 15/10/2013 - 13/11/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5.9 Tripod deployment WZbuoy (ADV): November 2013

Figure 533 - Tripod deployment WZbuoy (ADV): November 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (10 constituents)

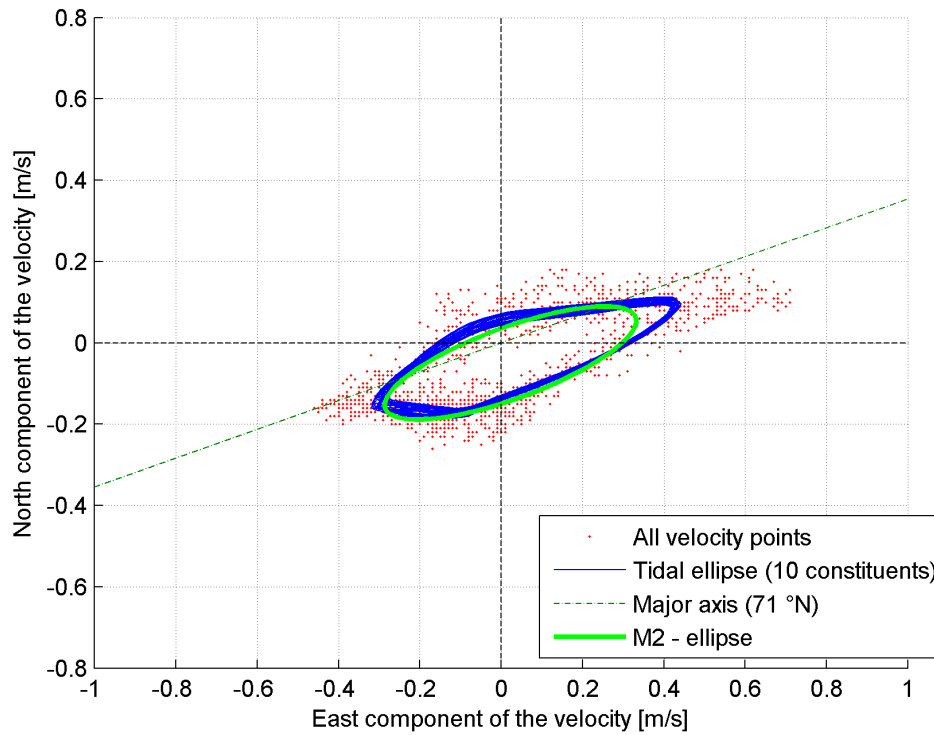


Figure 534 - Tripod deployment WZbuoy (ADV): November 2013 - East and North velocity components [m/s] at 0.18mab

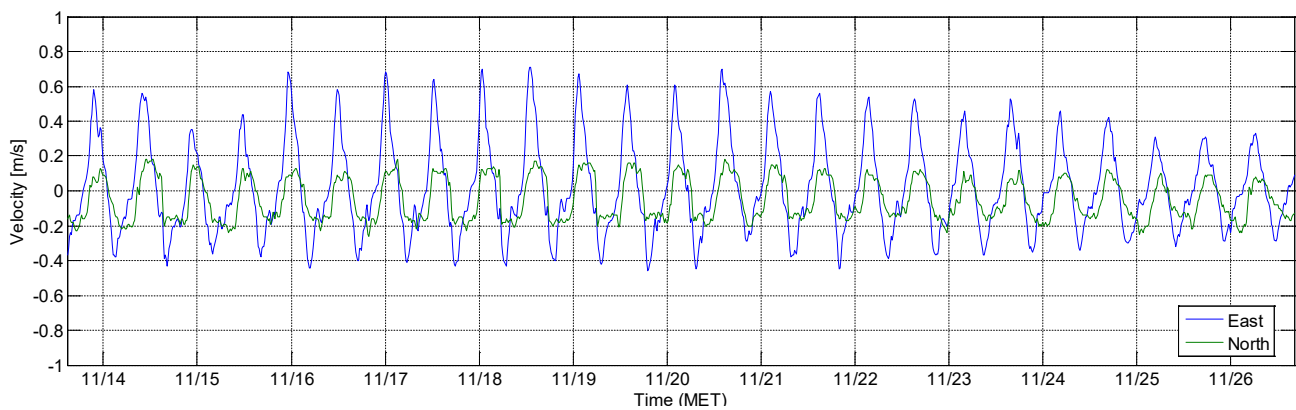


Figure 535 - Tripod deployment WZbuoy (ADV): November 2013 - Flow decomposed along the estimated major axis (71°N) [m/s] at 0.18mab

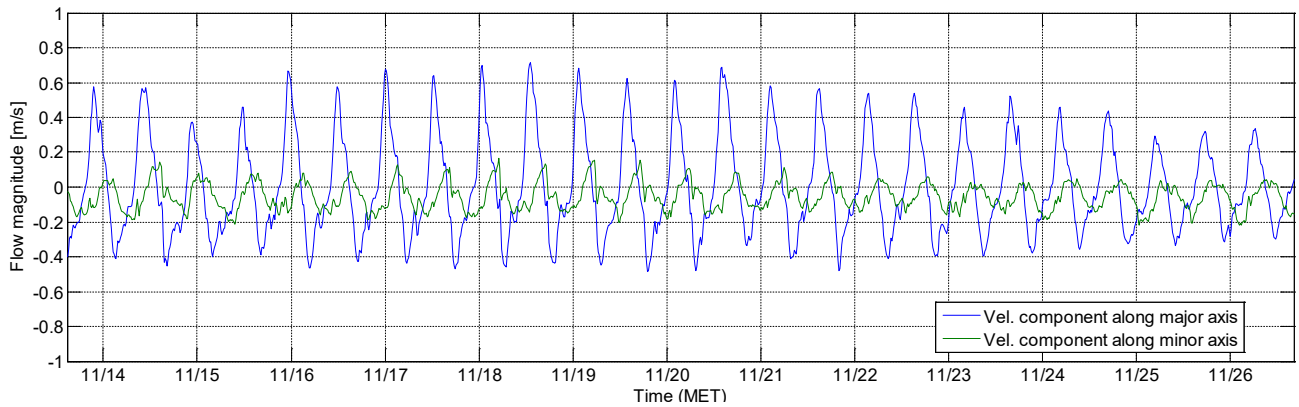


Figure 536 - Tripod deployment WZbuoy (ADV): November 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=70.9°, dev=1.36°

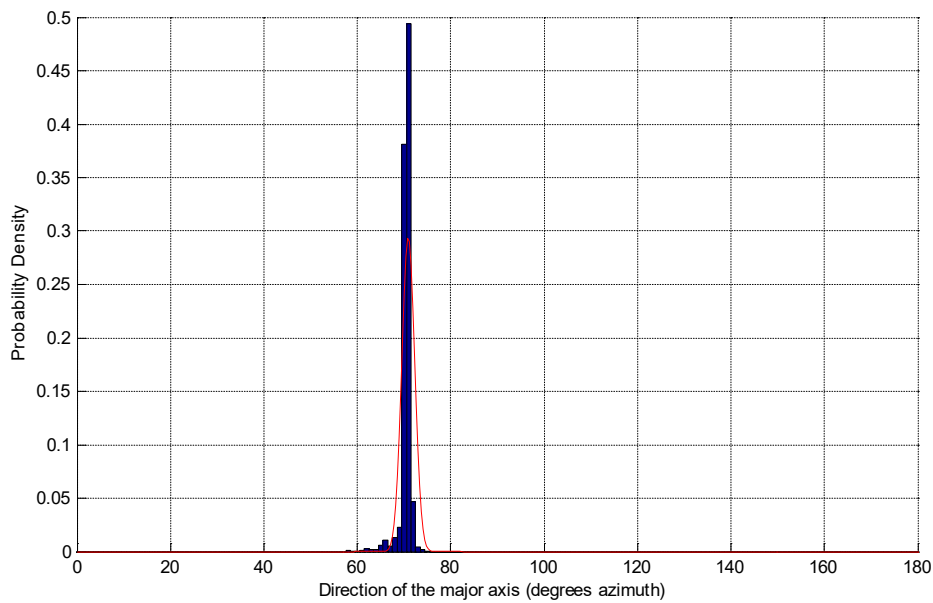
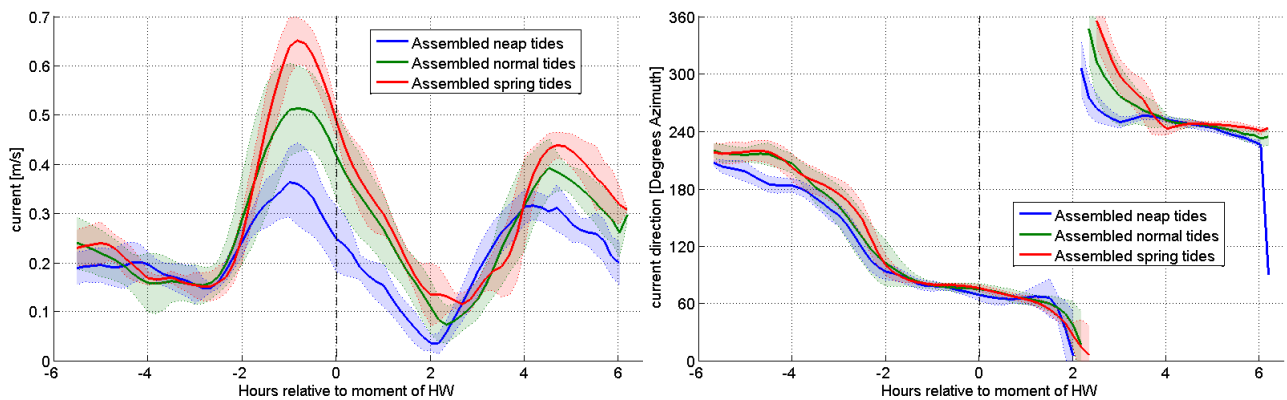


Figure 537 - Tripod deployment WZbuoy (ADV): 13/11/2013 - 26/11/2013 - Mean and standard deviation of the assembled current magnitude (left) and direction (right) at 0.18mab



E.5.10 Tripod deployment WZbuoy (ADV): November - December 2013

Figure 538 - Tripod deployment WZbuoy (ADV): November - December 2013 - UV-diagram with tidal ellipse [m/s] at 0.18mab derived through tidal analyses (10 constituents)

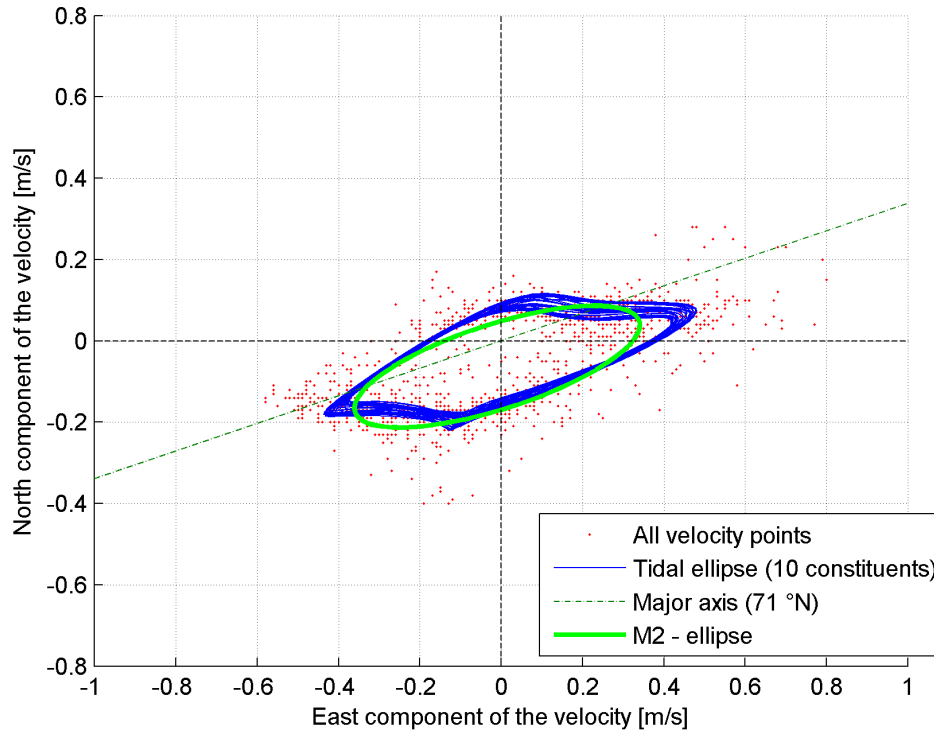


Figure 539 - Tripod deployment WZbuoy (ADV): November - December 2013 - East and North velocity components [m/s] at 0.18mab

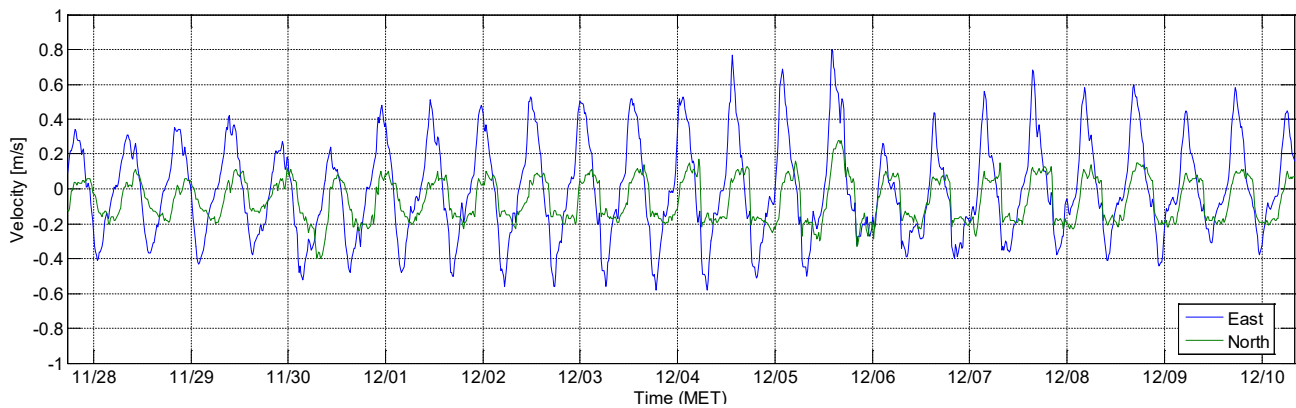


Figure 540 - Tripod deployment WZbuoy (ADV): November - December 2013 - Flow decomposed along the estimated major axis (71°N) [m/s] at 0.18mab

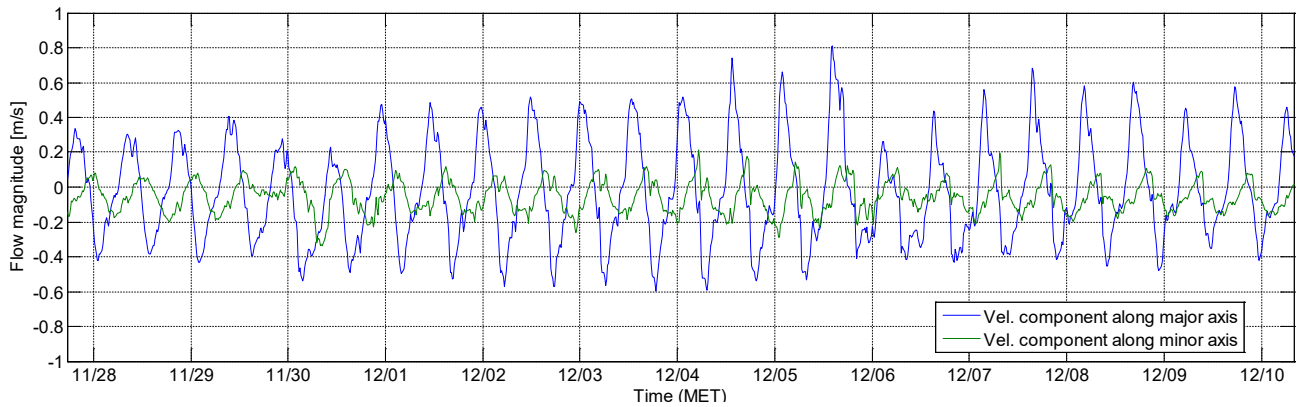


Figure 541 - Tripod deployment WZbuoy (ADV): November - December 2013 - Probability density of major axis direction. Number of bootstrap samples: 2500, sample length: random number of tidal cycles), normal fit: mean=71.3°, dev=2.74°

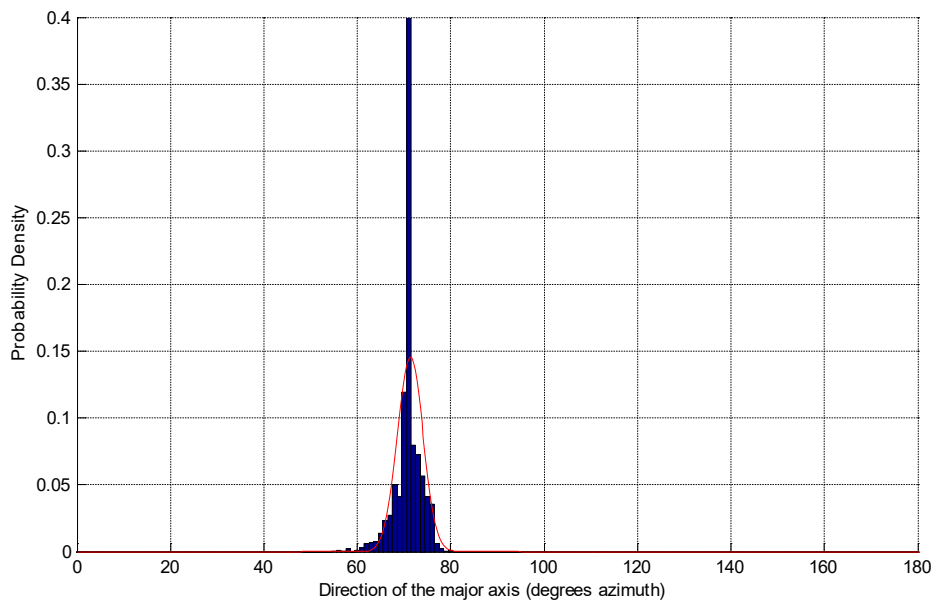
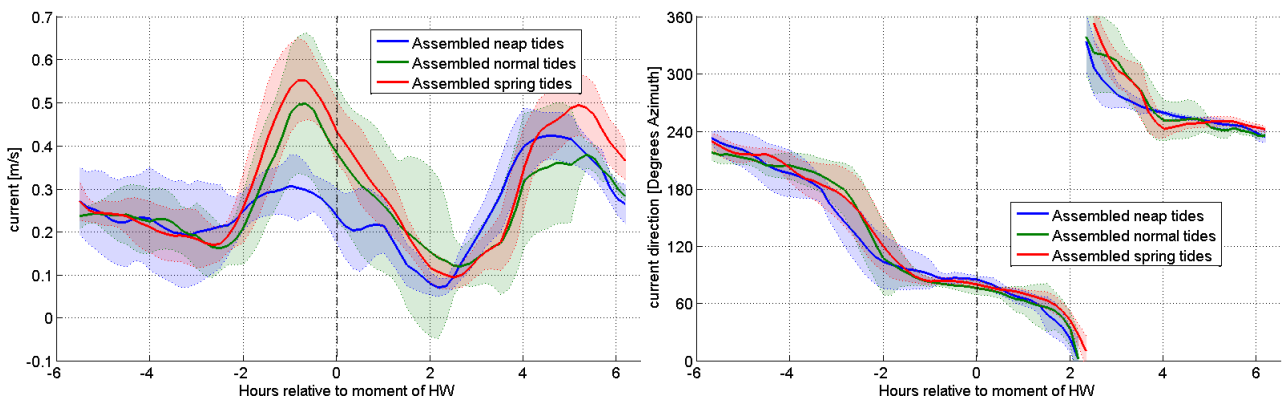


Figure 542 - Mean and standard deviation of the assembled ADV current magnitude (left) and direction (right) at 0.18mab, WZbuoy, 27/11/2013 - 10/12/2013



Appendix F OD Nature Tripod deployments: Figures of OBS SPM measurements

F.1 Tripod deployment Blankenberge – OBS

F.1.1 Tripod deployment Blankenberge (OBS): November - December 2006

Figure 543 - Tripod deployment Blankenberge (OBS): November - December 2006, SPM [mg/l]

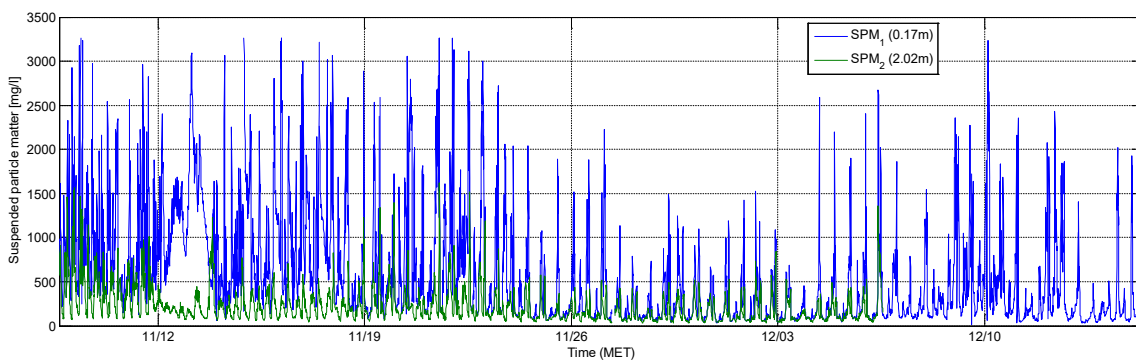


Figure 544 - Tripod deployment Blankenberge (OBS): November - December 2006, Pressure [dbar]

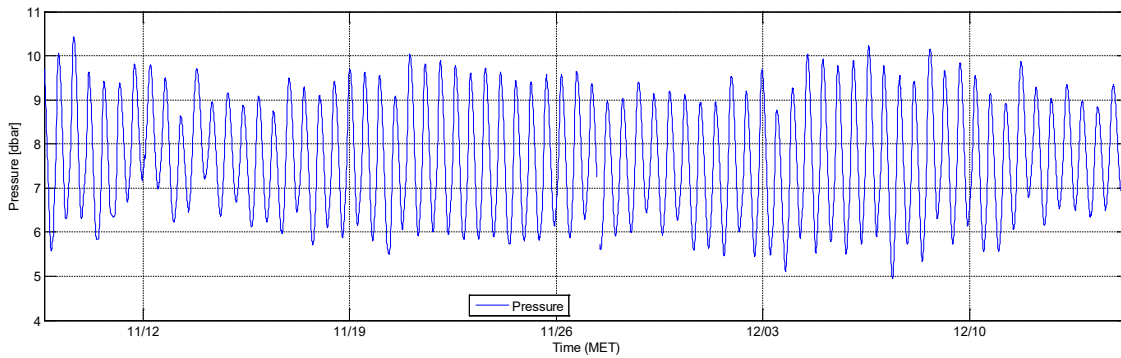


Figure 545 - Tripod deployment Blankenberge (OBS): November - December 2006, Ro [-]

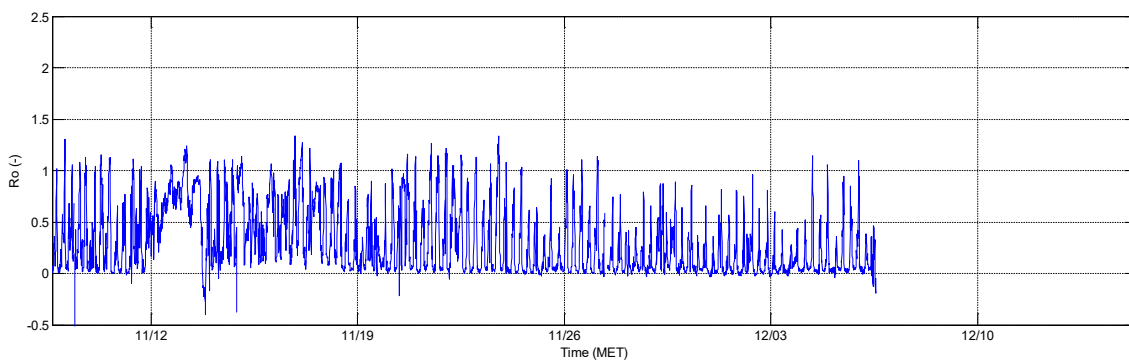
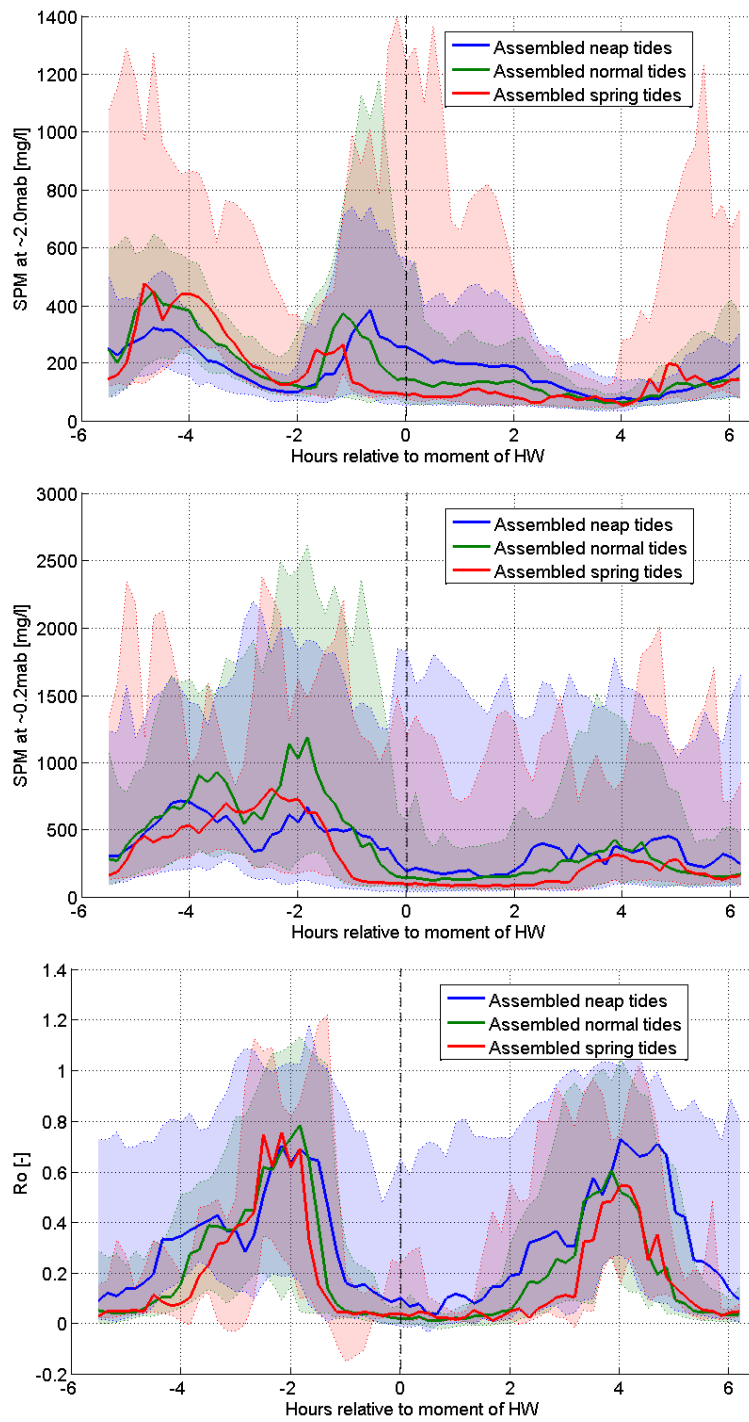


Figure 546 - Tripod deployment Blankenberge (OBS): 08/11/2006 - 15/12/2006 - Median and 10-90th percentile band of the assembled SPM at 2mab (top), SPM at 0.17mab (middle) and Ro (bottom)



F.1.2 Tripod deployment Blankenberge (OBS): December 2006 - February 2007

Figure 547 - Tripod deployment Blankenberge (OBS): December 2006 - February 2007, SPM [mg/l]

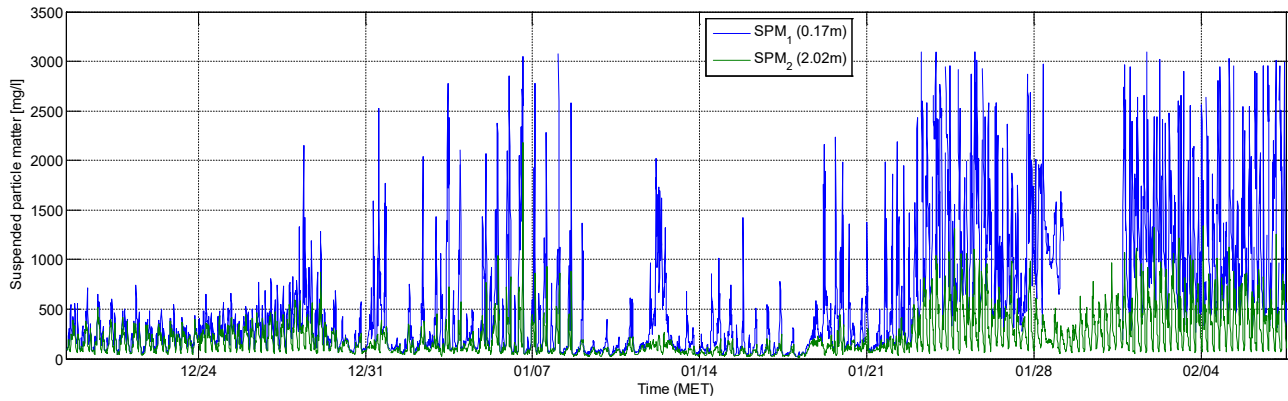


Figure 548 - Tripod deployment Blankenberge (OBS): December 2006 - February 2007, Depth [m]

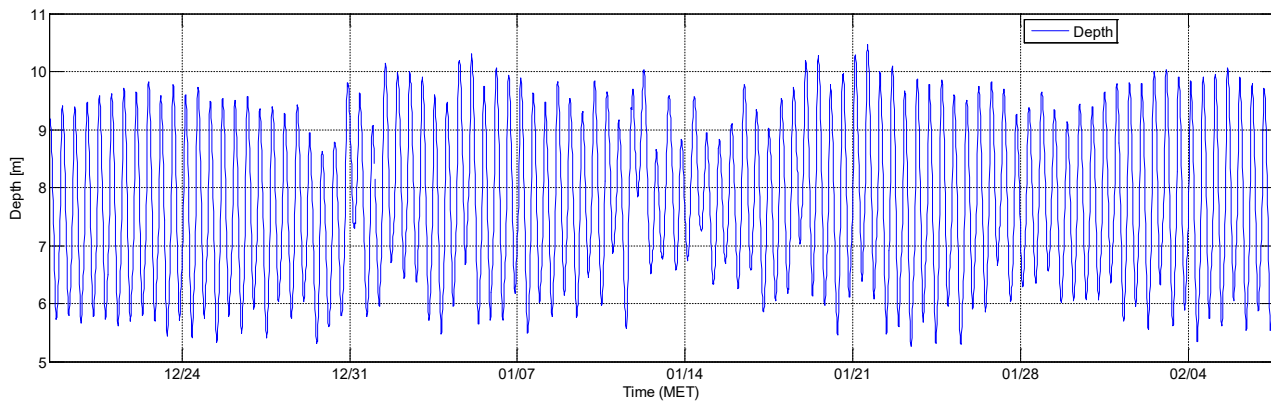


Figure 549 - Tripod deployment Blankenberge (OBS): December 2006 - February 2007, Ro [-]

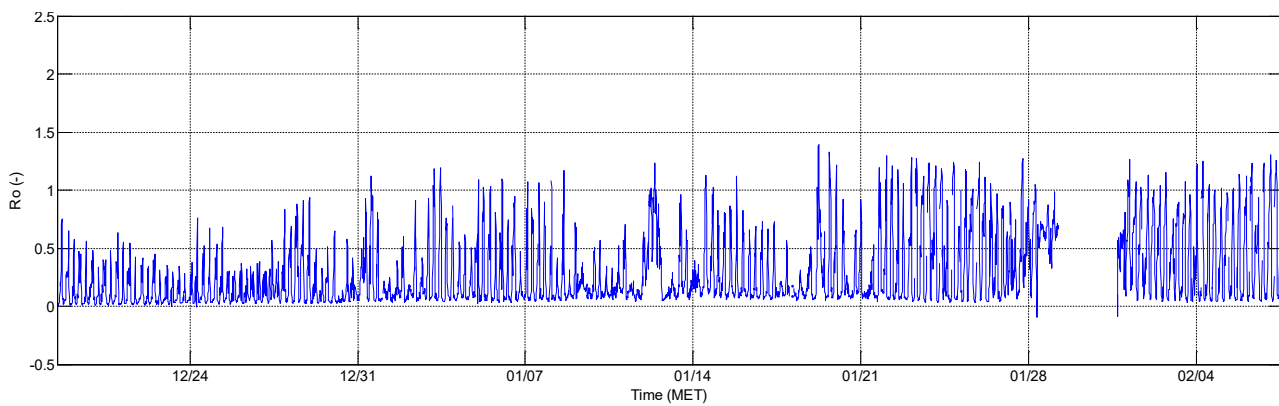
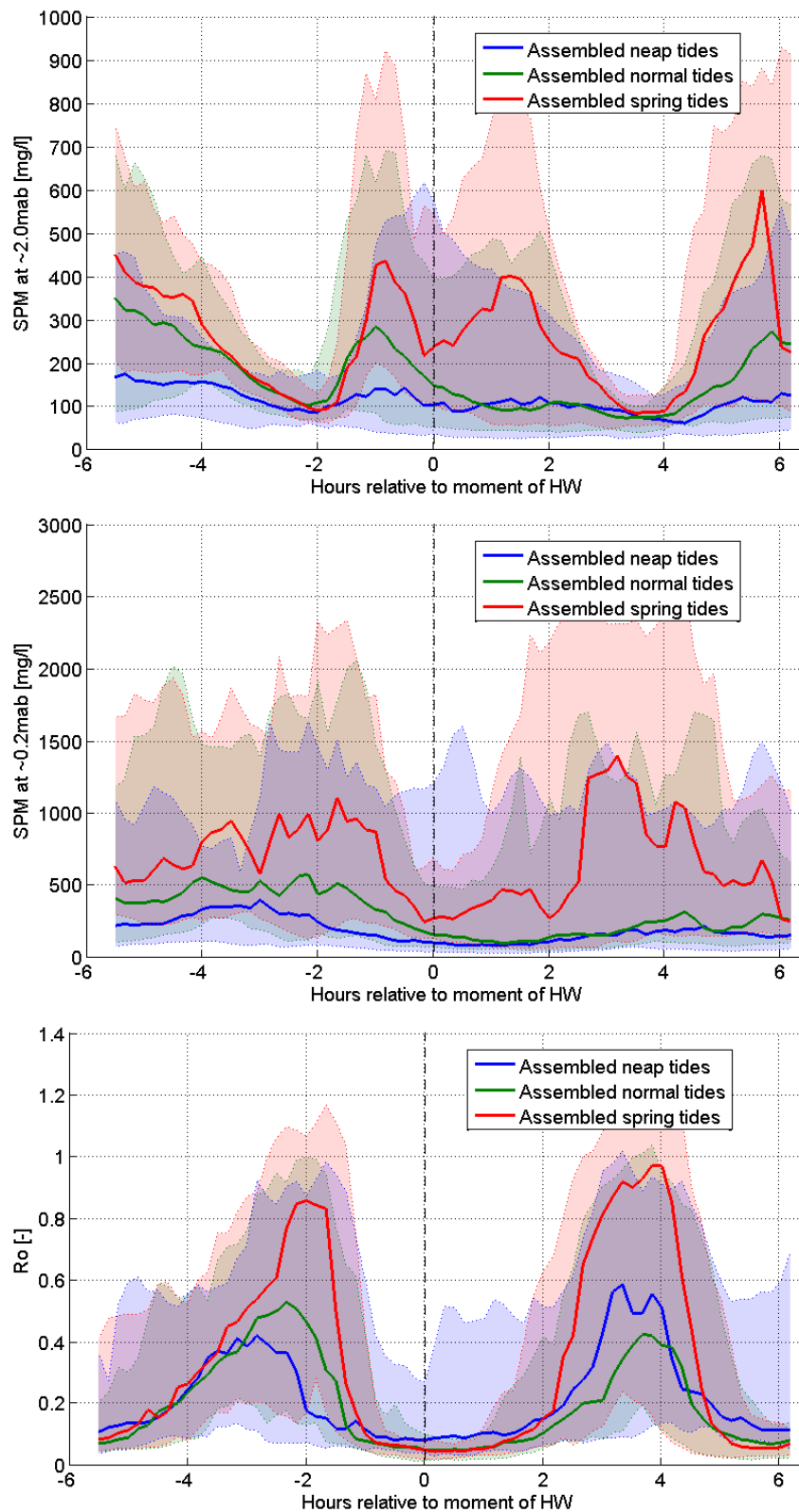


Figure 550 - Median and 10-90th percentile band of the assembled SPM at 2mab (top), SPM at 0.17mab (middle) and Ro (bottom), Blankenberge, 18/12/2006 - 07/02/2007



F.1.3 Tripod deployment Blankenberge (OBS): January - February 2008

Figure 551 - Tripod deployment Blankenberge (OBS): January - February 2008, SPM [mg/l]

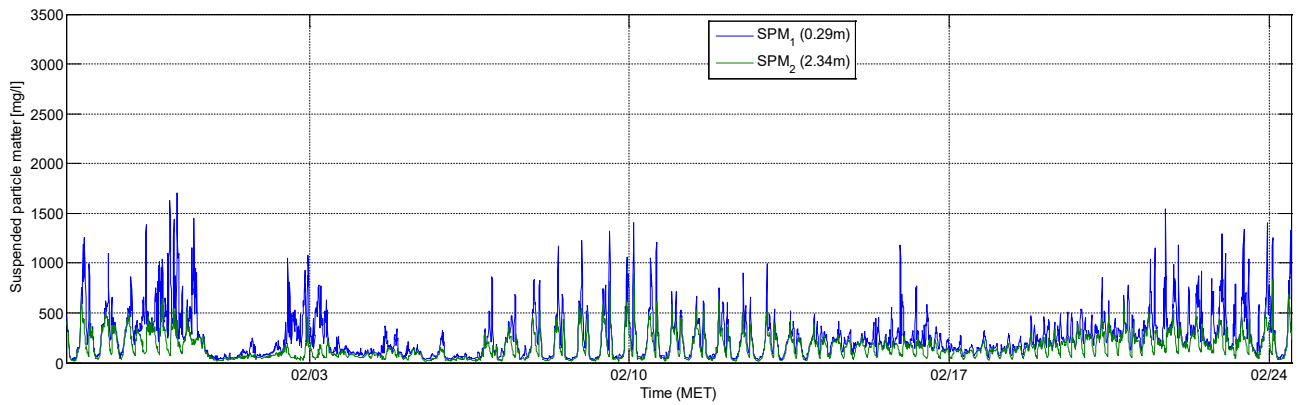


Figure 552 - Tripod deployment Blankenberge (OBS): January - February 2008, Pressure [dbar]

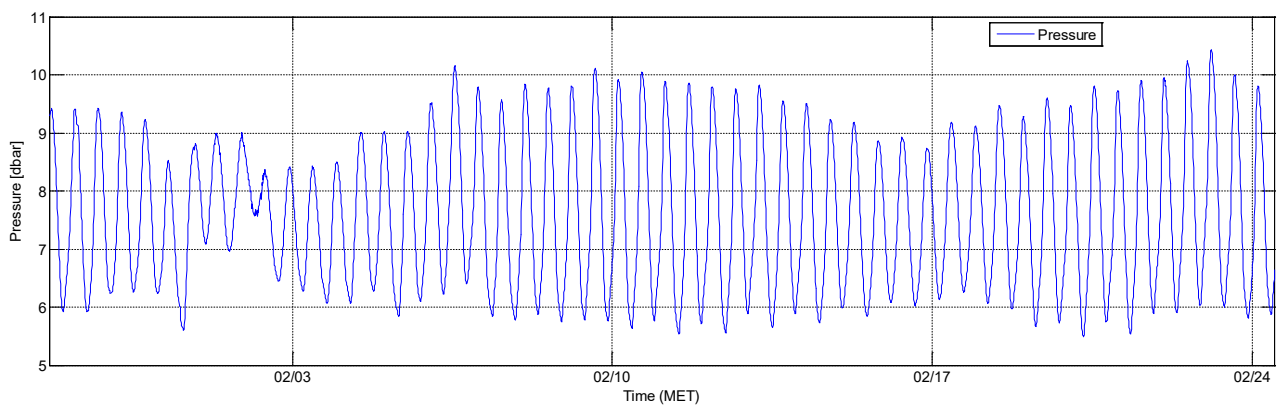


Figure 553 - Tripod deployment Blankenberge (OBS): January - February 2008, Ro [-]

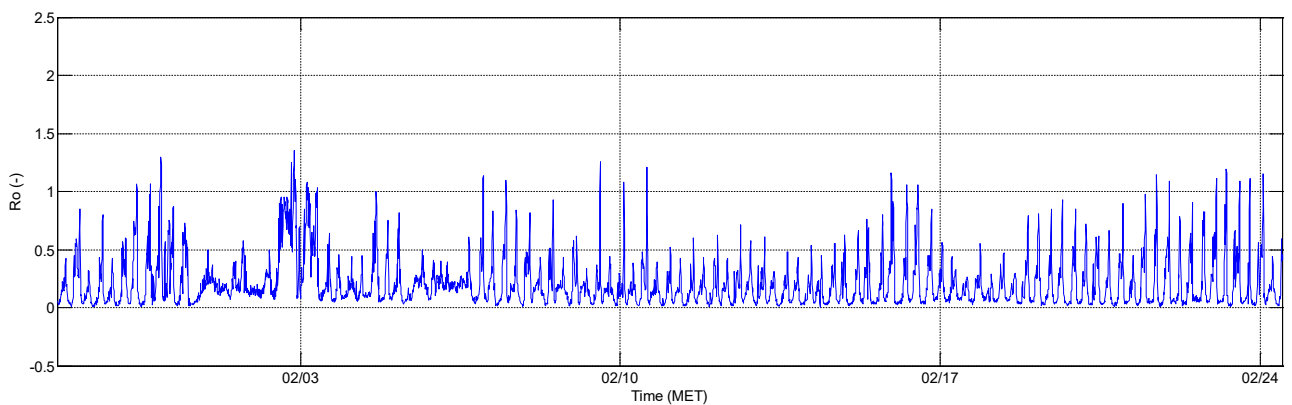
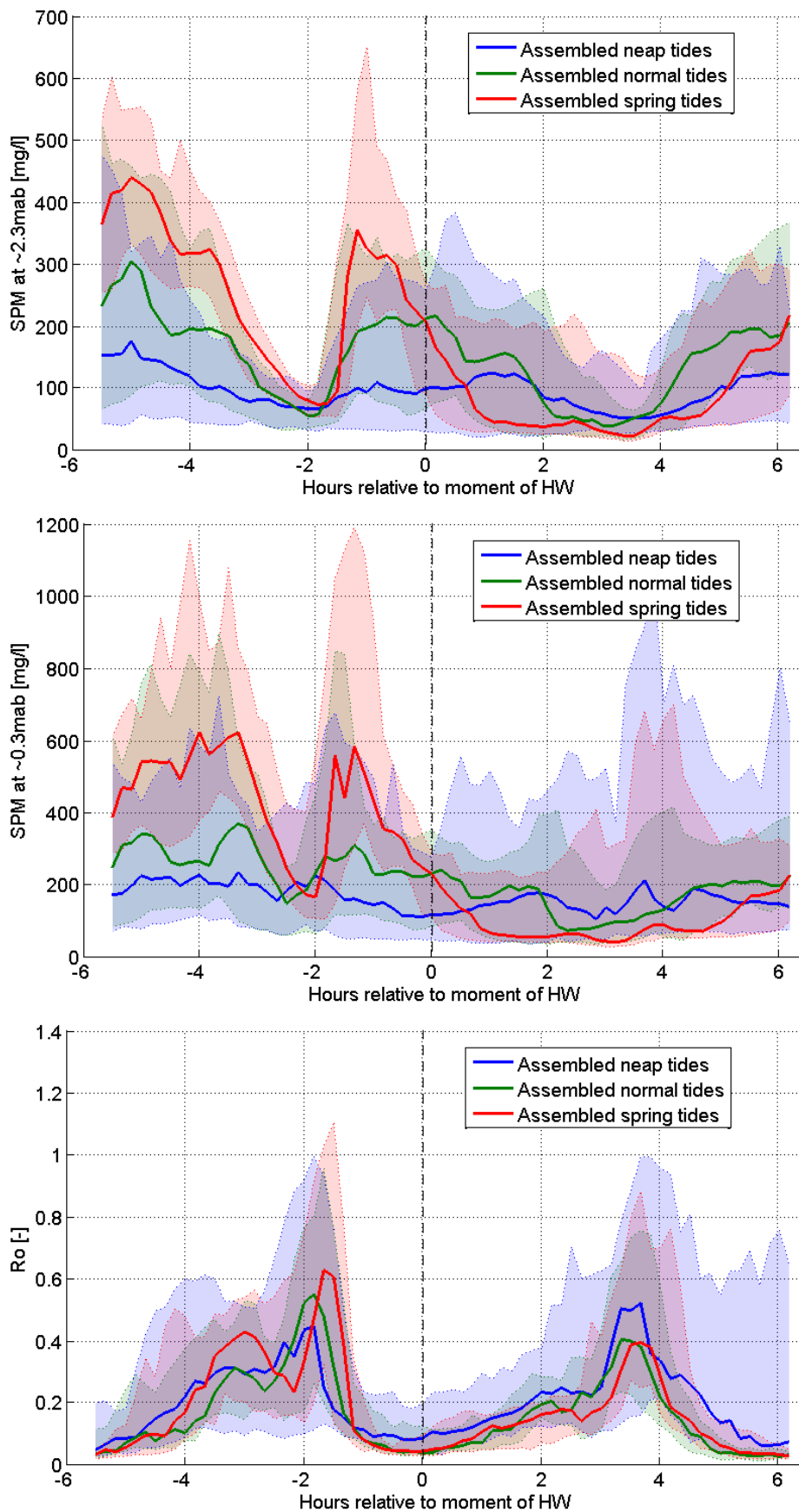


Figure 554 - Tripod deployment Blankenberge (OBS): 28/01/2008 - 24/02/2008 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle) and Ro (bottom)



F.1.4 Tripod deployment Blankenberge (OBS): March - April 2008

Figure 555 - Tripod deployment Blankenberge (OBS): March - April 2008, SPM [mg/l]

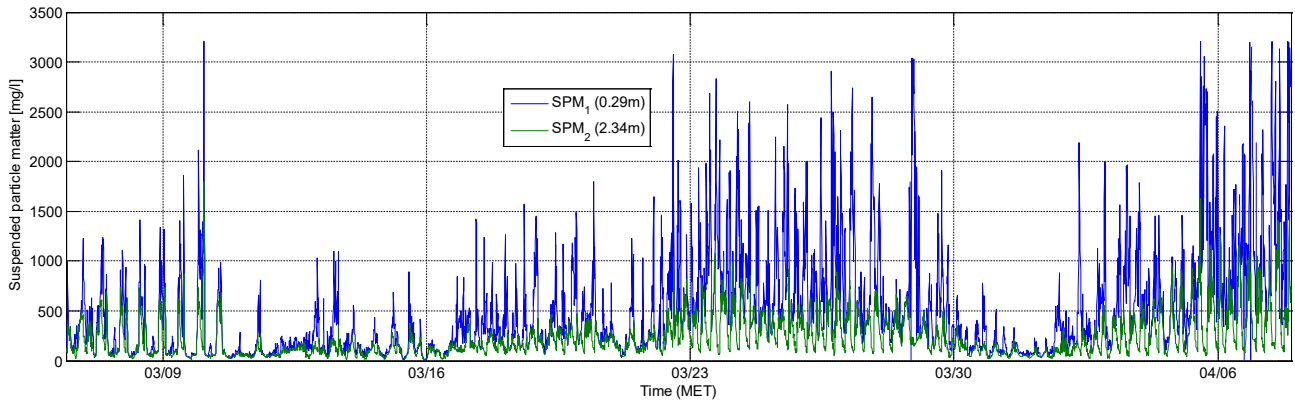


Figure 556 - Tripod deployment Blankenberge (OBS): March - April 2008, Pressure [dbar]

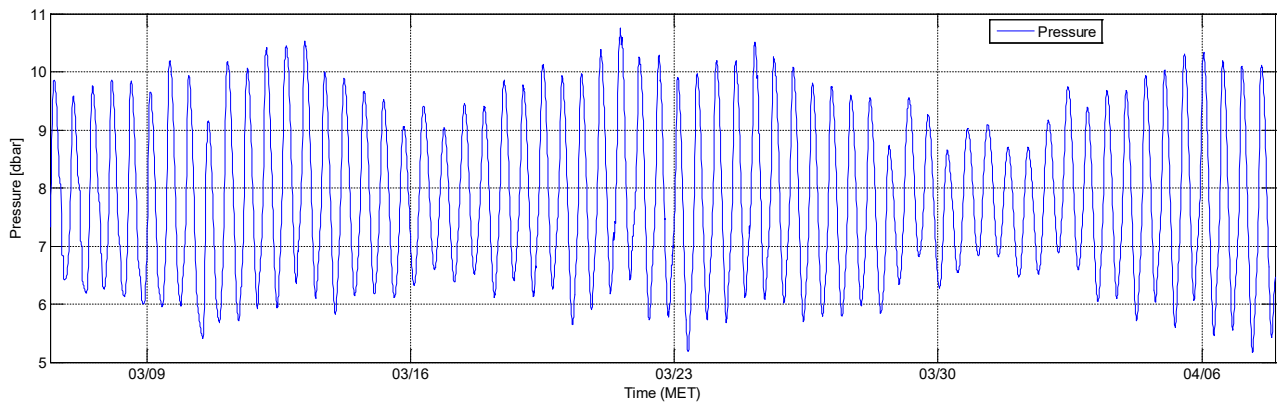


Figure 557 - Tripod deployment Blankenberge (OBS): March - April 2008, Ro [-]

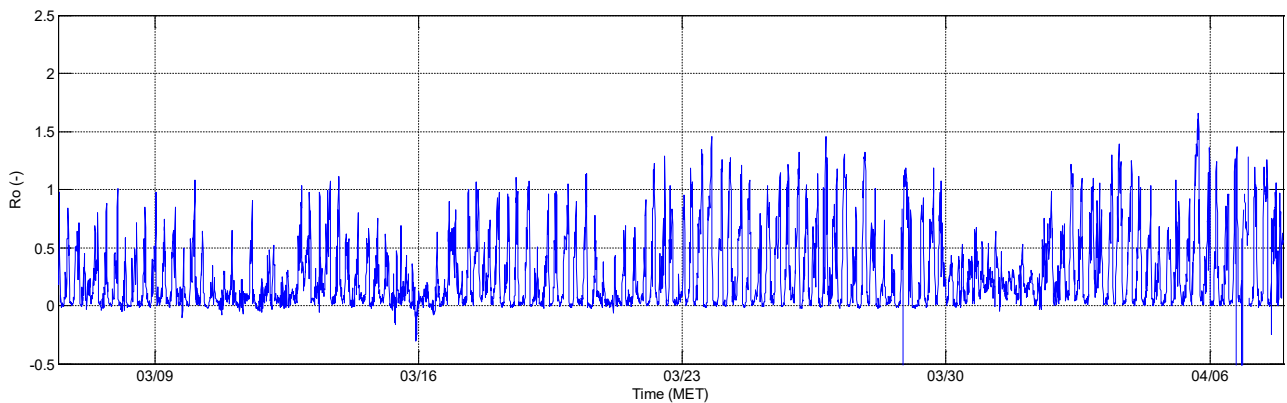
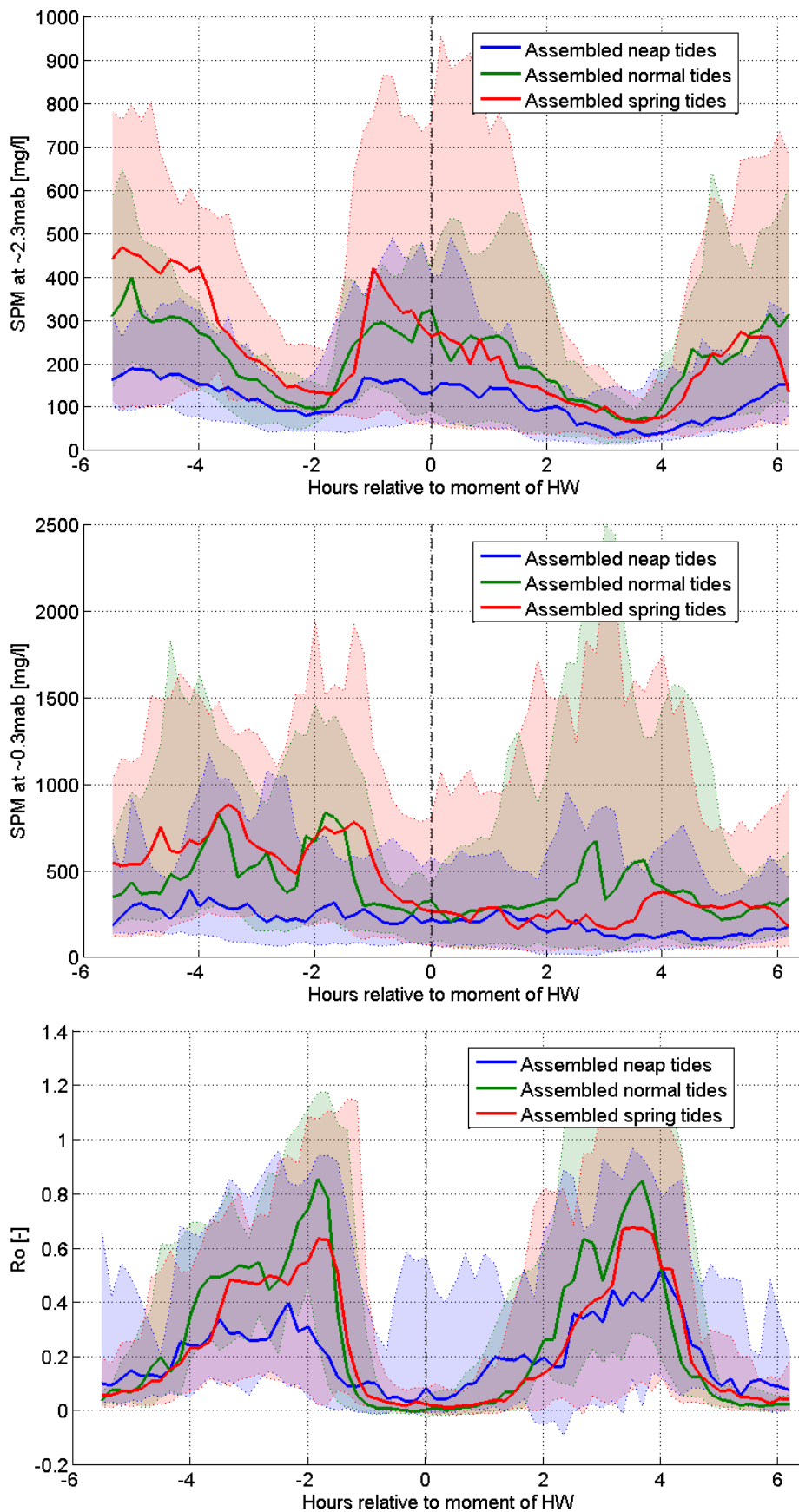


Figure 558 - Tripod deployment Blankenberge (OBS): 06/03/2008 - 07/04/2008 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle) and Ro (bottom)



F.1.5 Tripod deployment Blankenberge (OBS): April - June 2008

Figure 559 - Tripod deployment Blankenberge (OBS): April - June 2008, SPM [mg/l]

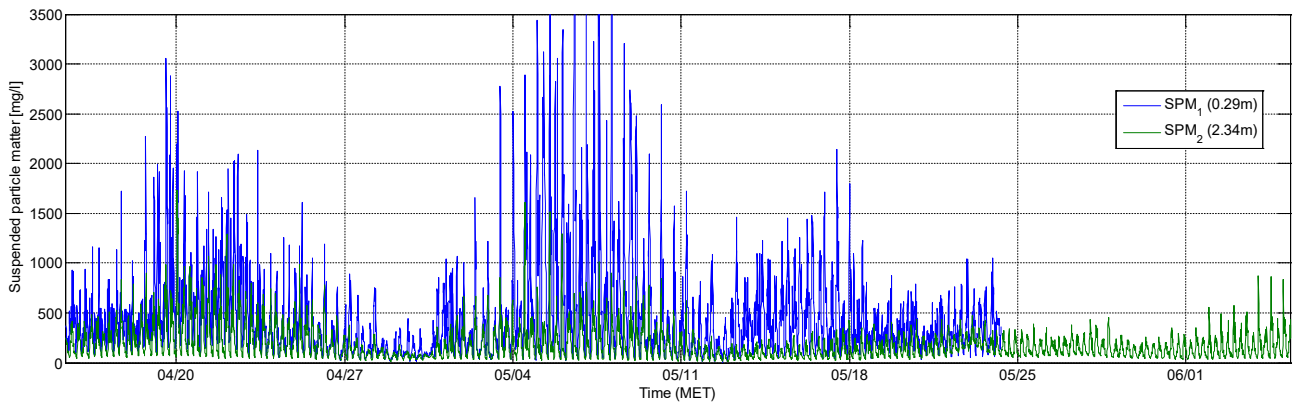


Figure 560 - Tripod deployment Blankenberge (OBS): April - June 2008, Pressure [dbar]

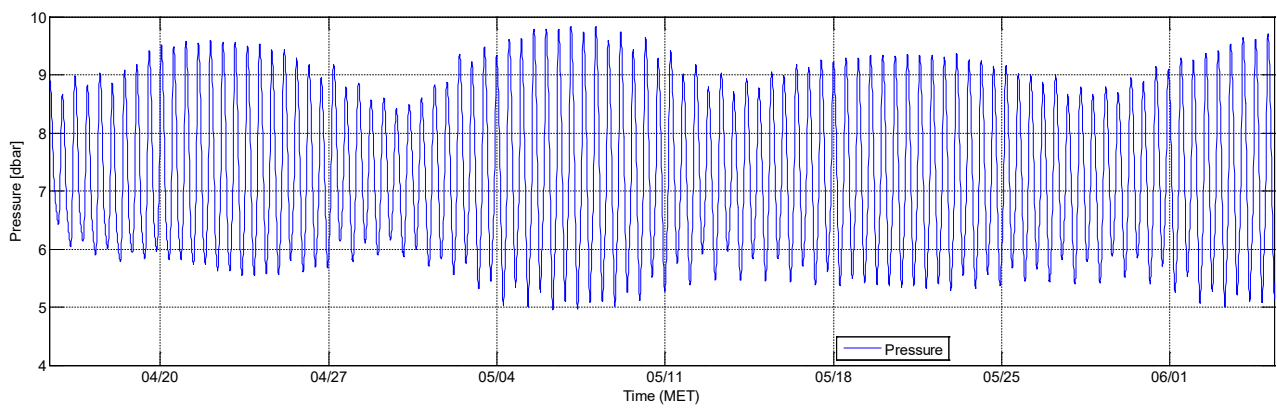


Figure 561 - Tripod deployment Blankenberge (OBS): April - June 2008, Ro [-]

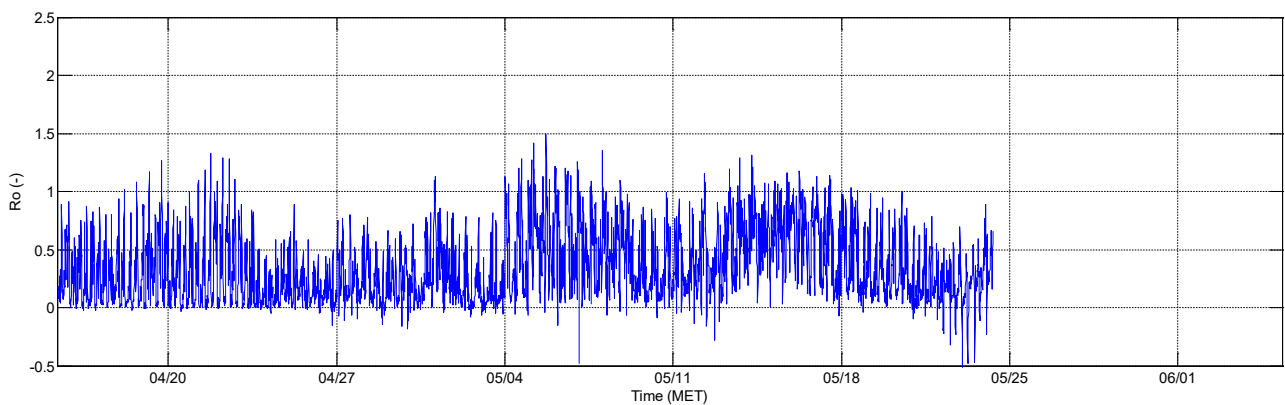
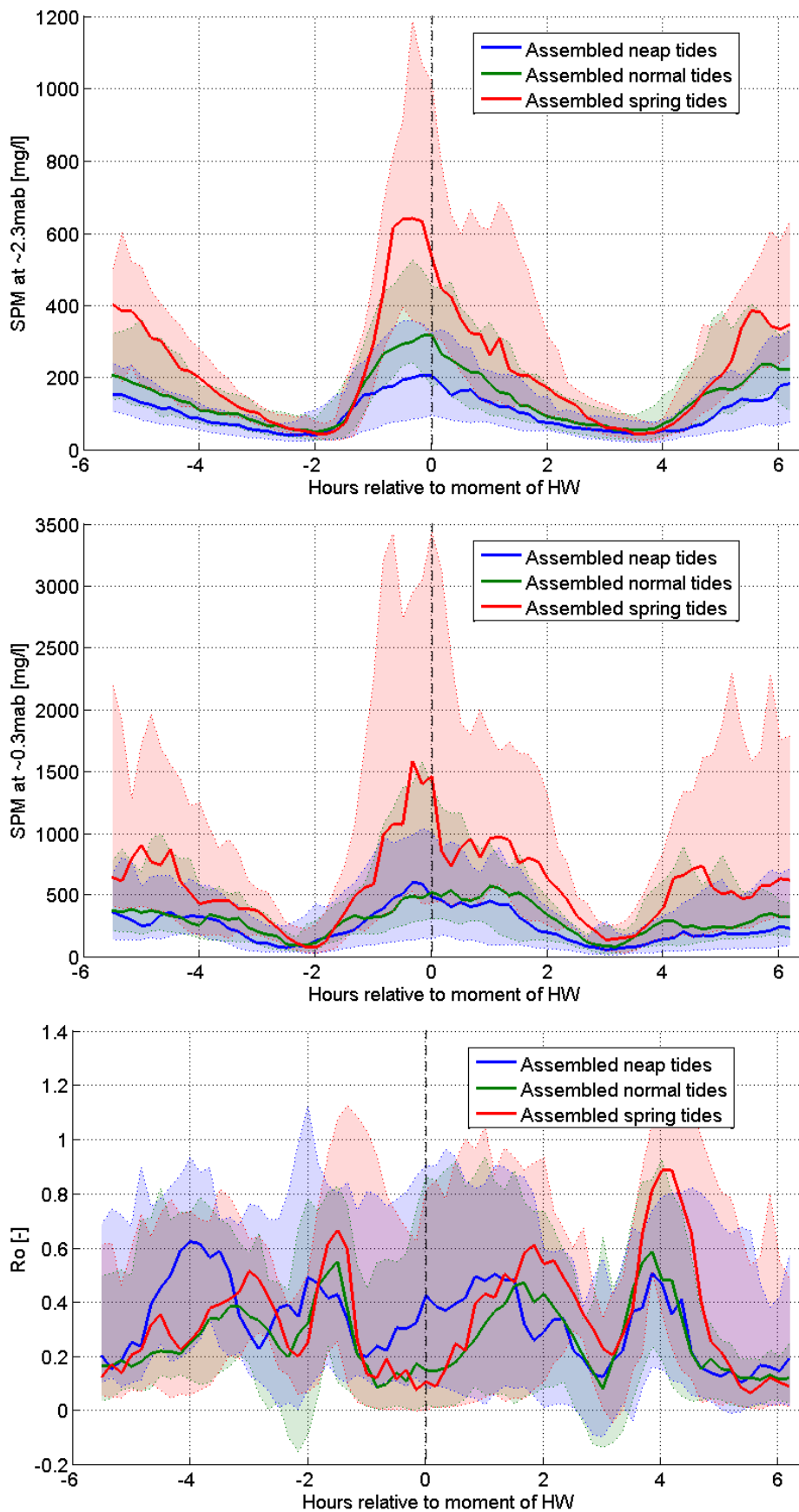


Figure 562 - Tripod deployment Blankenberge (OBS): 15/04/2008 - 05/06/2008 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle) and Ro (bottom)



F.1.6 Tripod deployment Blankenberge (OBS): May - June 2009

Figure 563 - Tripod deployment Blankenberge (OBS): May - June 2009, SPM [mg/l]

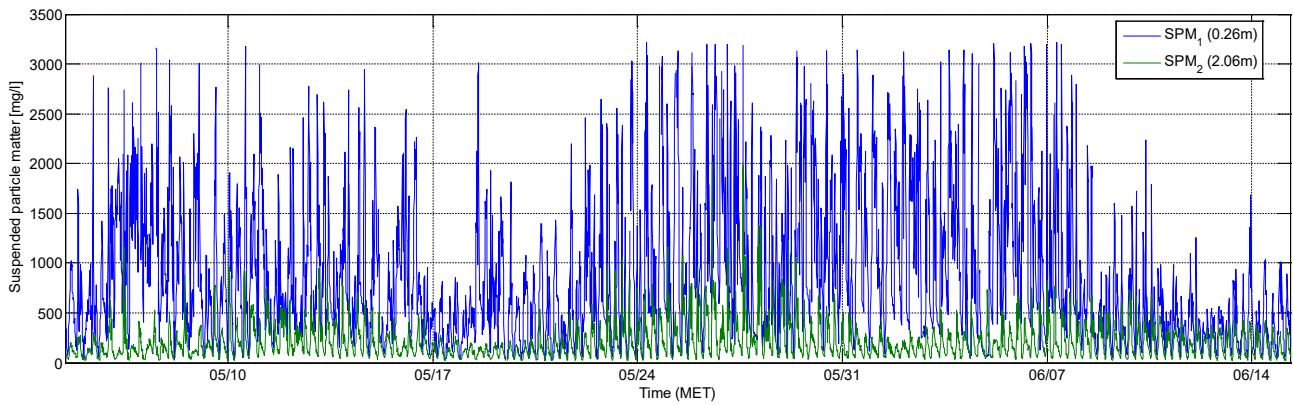


Figure 564 - Tripod deployment Blankenberge (OBS): May - June 2009, Depth [m]

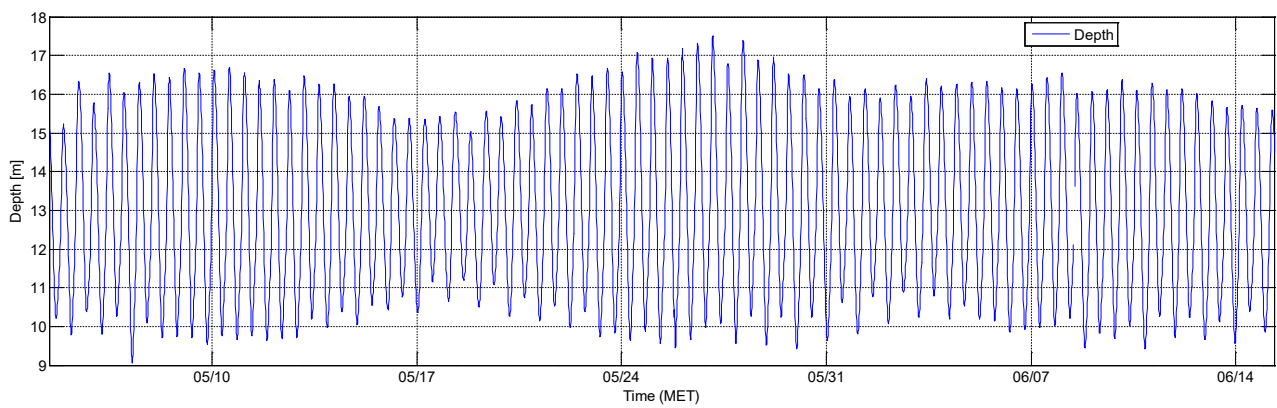


Figure 565 - Tripod deployment Blankenberge (OBS): May - June 2009, Ro [-]

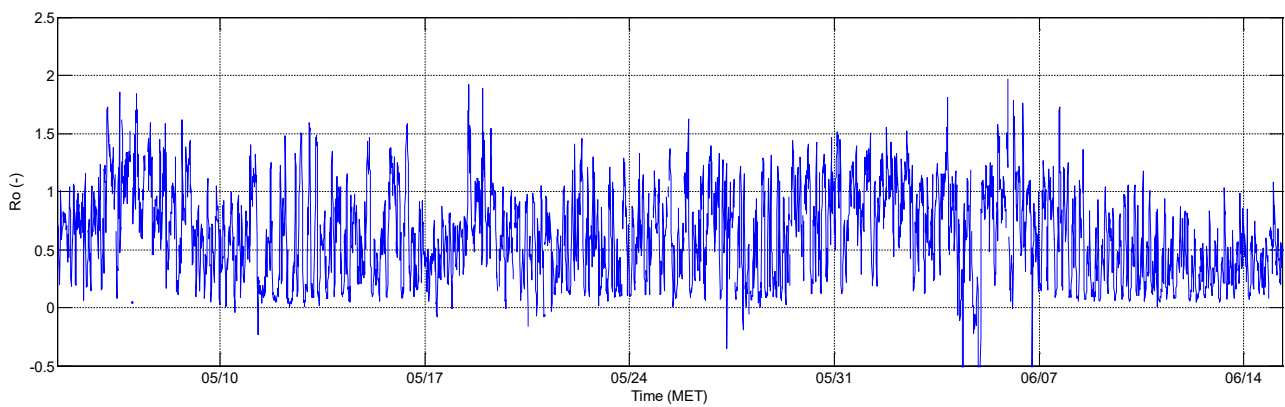
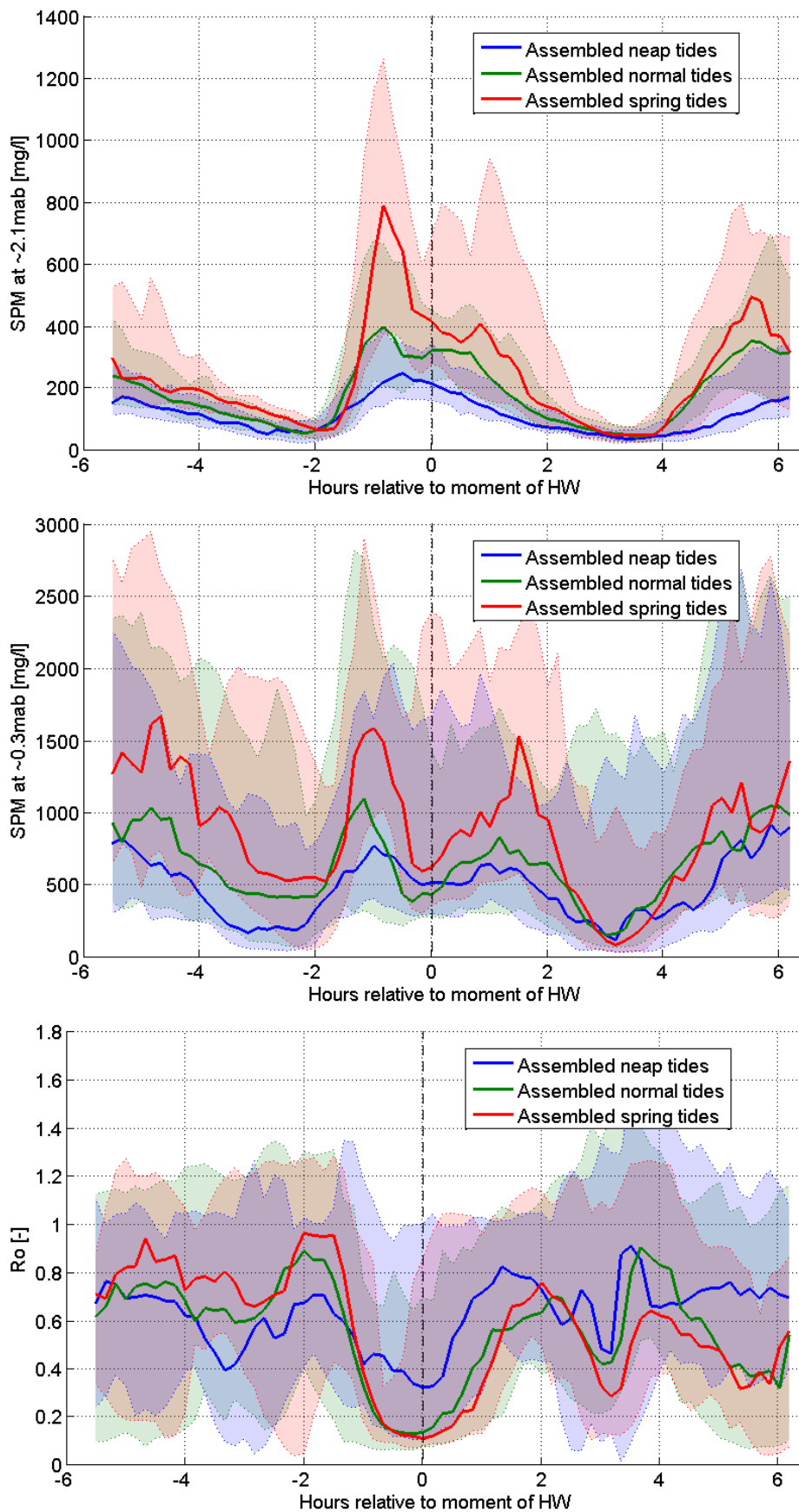


Figure 566 - Tripod deployment Blankenberge (OBS): 04/05/2009 - 15/06/2009 - Median and 10-90th percentile band of the assembled SPM at 2.1mab (top), SPM at 0.26mab (middle) and Ro (bottom)



F.2 OD Nature Tripod deployment MOW1 – OBS

F.2.1 Tripod deployment MOW1 (OBS): February 2005

Figure 567 - Tripod deployment MOW1 (OBS): February 2005, SPM [mg/l]

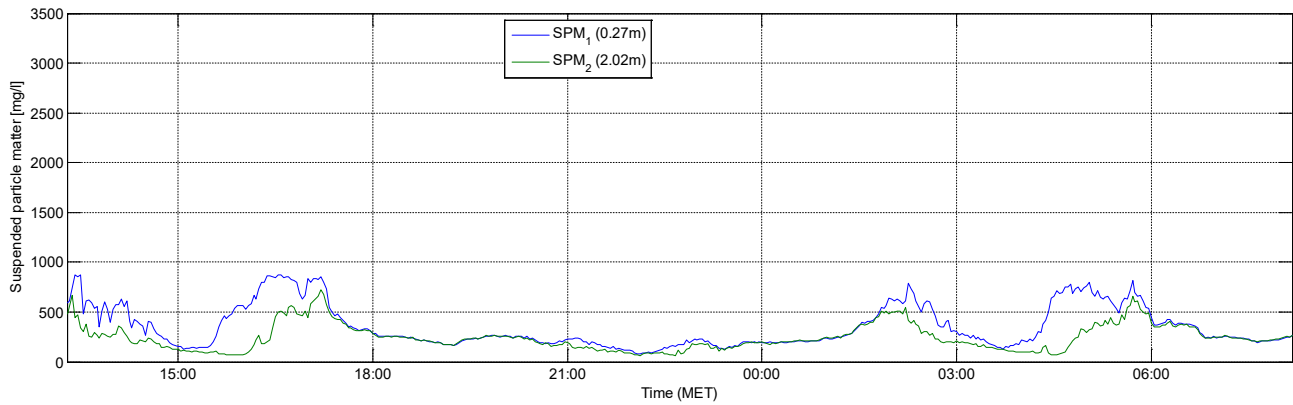


Figure 568 - Tripod deployment MOW1 (OBS): February 2005, Pressure [dbar]

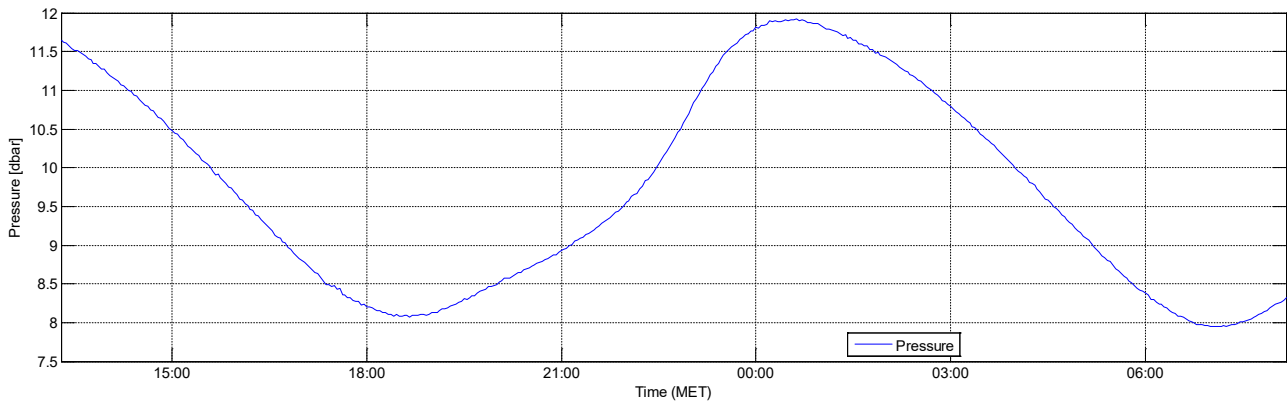
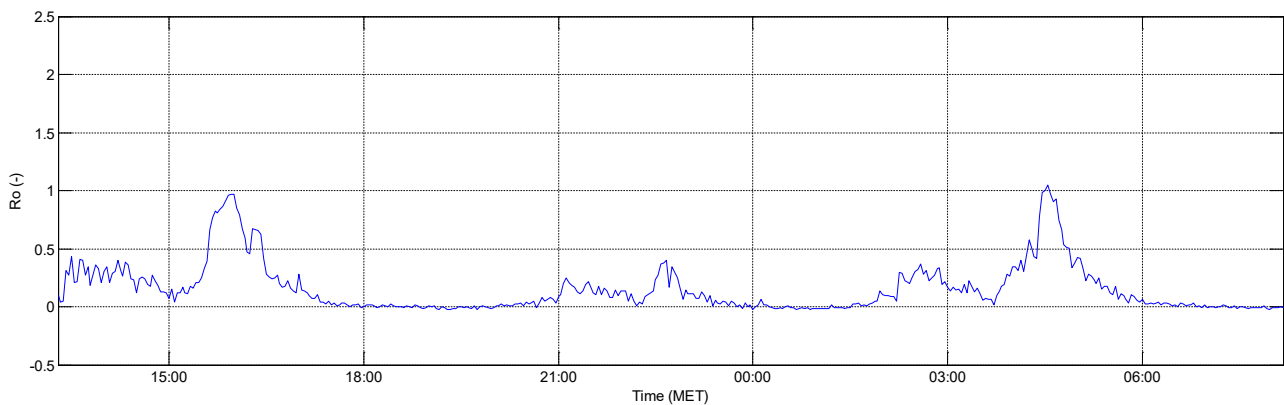


Figure 569 - Tripod deployment MOW1 (OBS): February 2005, Ro [-]



F.2.2 Tripod deployment MOW1 (OBS): April 2005

Figure 570 - Tripod deployment MOW1 (OBS): April 2005, SPM [mg/l]

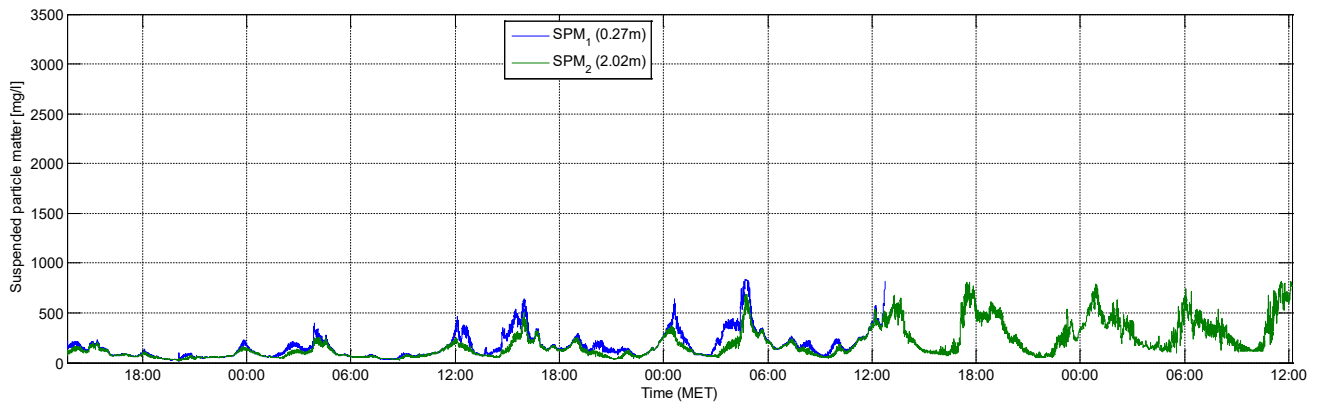


Figure 571 - Tripod deployment MOW1 (OBS): April 2005, Pressure [dbar]

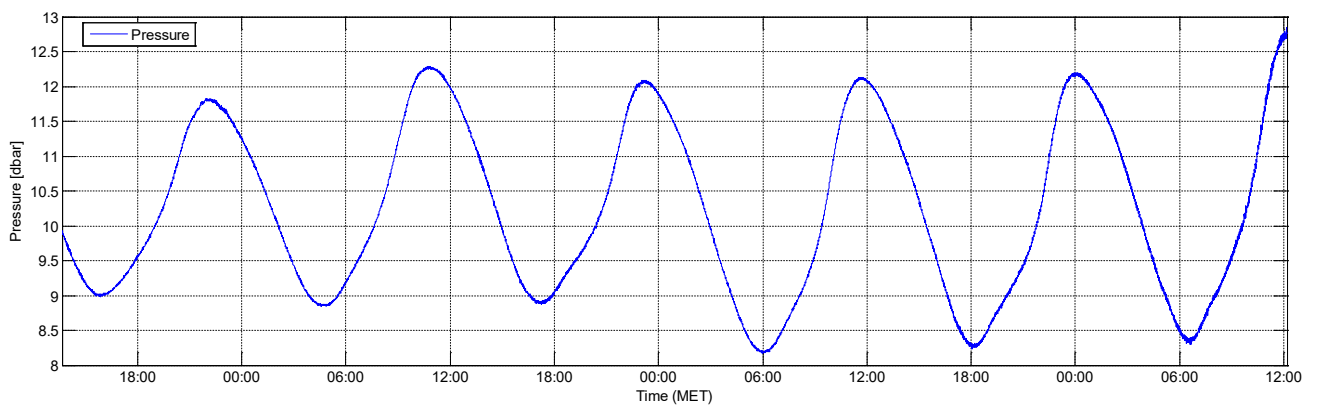
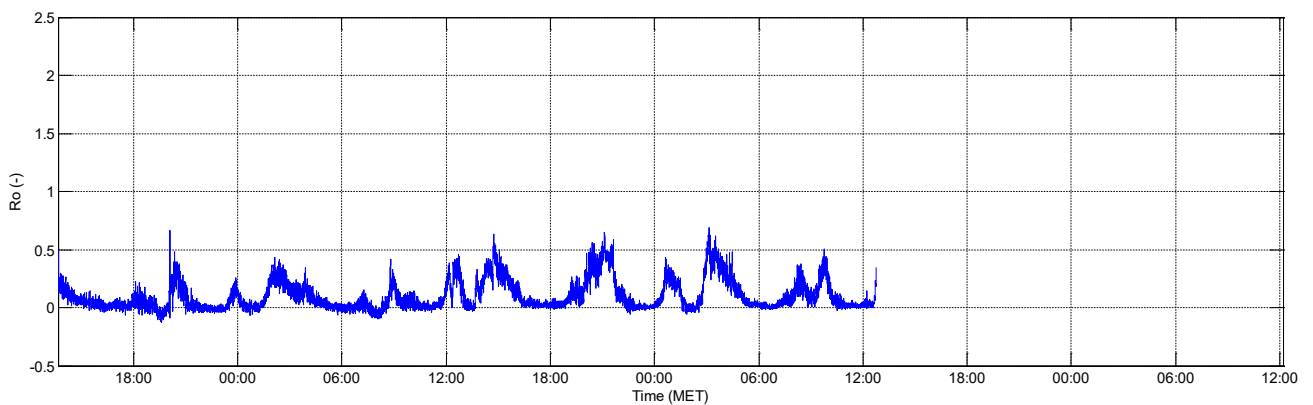


Figure 572 - Tripod deployment MOW1 (OBS): April 2005, Ro [-]



F.2.3 Tripod deployment MOW1 (OBS): June 2005

Figure 573 - Tripod deployment MOW1 (OBS): June 2005, SPM [mg/l]

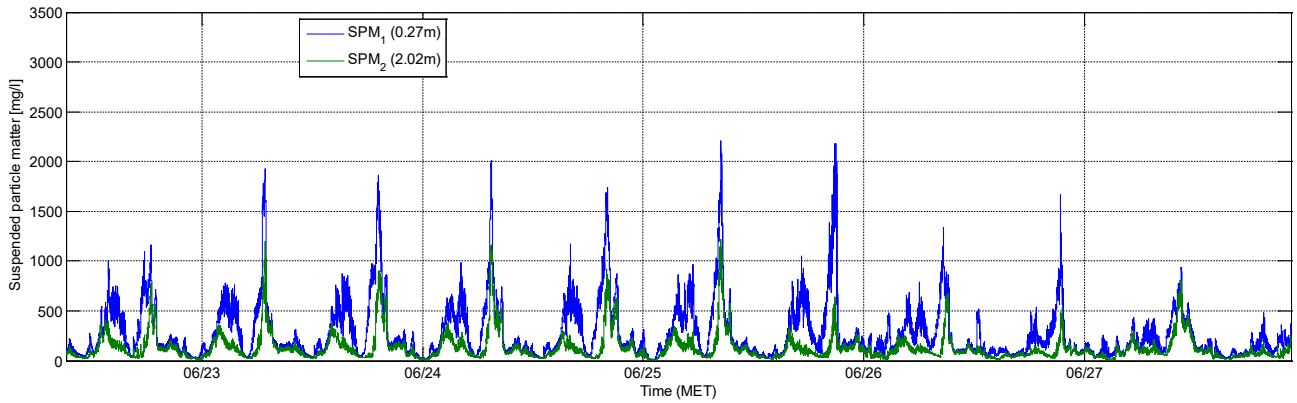


Figure 574 - Tripod deployment MOW1 (OBS): June 2005, Pressure [dbar]

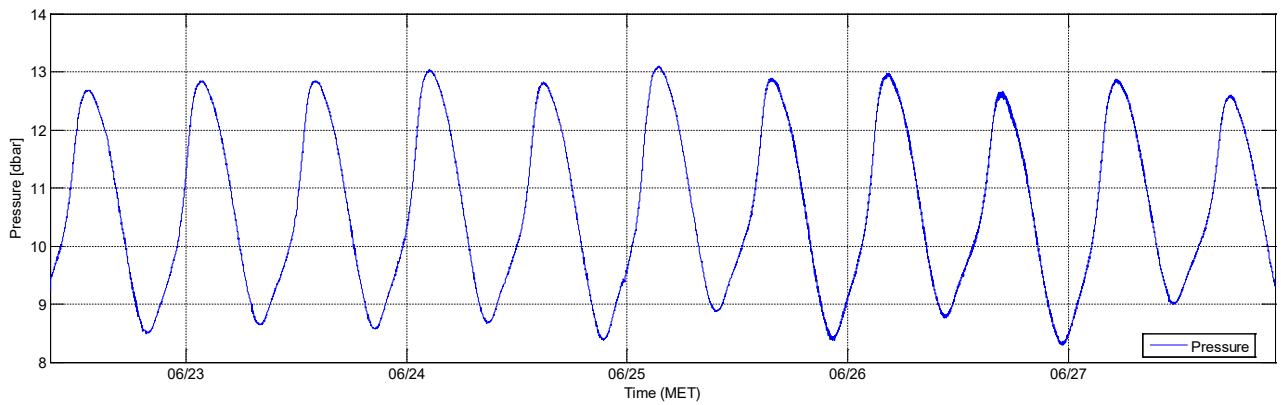
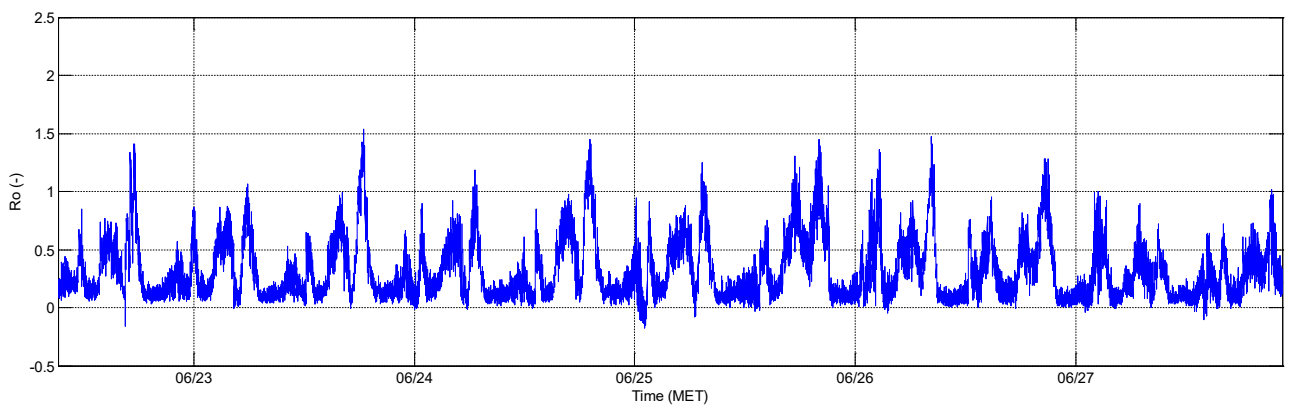


Figure 575 - Tripod deployment MOW1 (OBS): June 2005, Ro [-]



F.2.4 Tripod deployment MOW1 (OBS): November - December 2005

Figure 576 - Tripod deployment MOW1 (OBS): November - December 2005, SPM [mg/l]

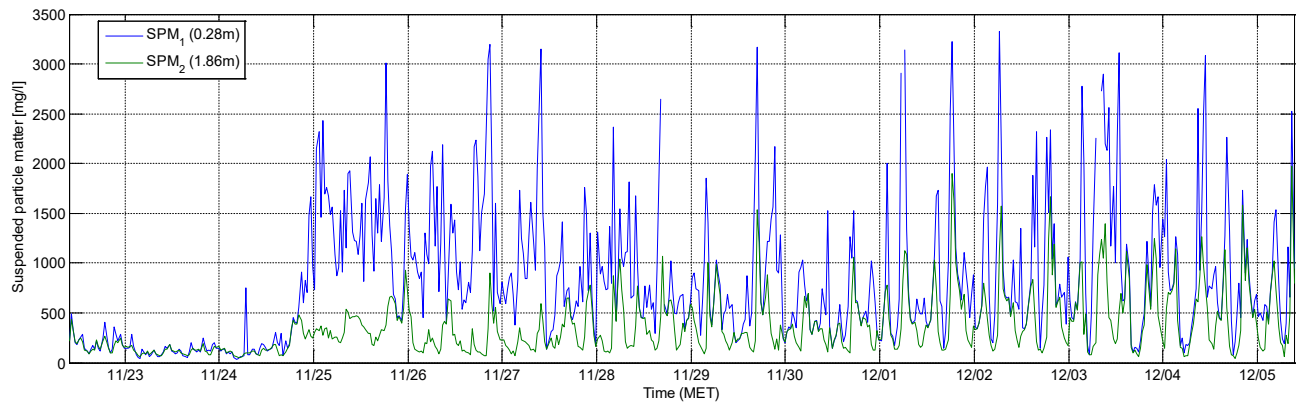


Figure 577 - Tripod deployment MOW1 (OBS): November - December 2005, Pressure [dbar]

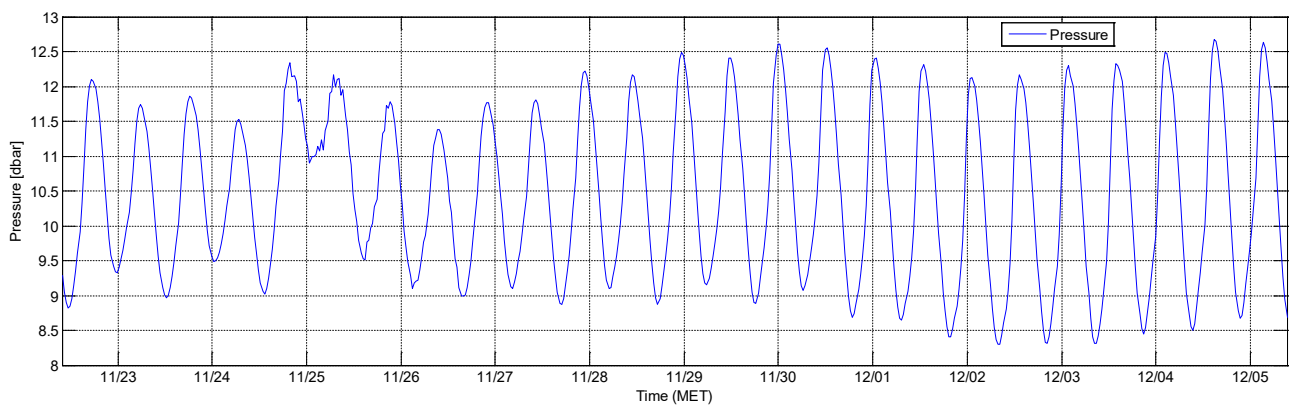


Figure 578 - Tripod deployment MOW1 (OBS): November - December 2005, Ro [-]

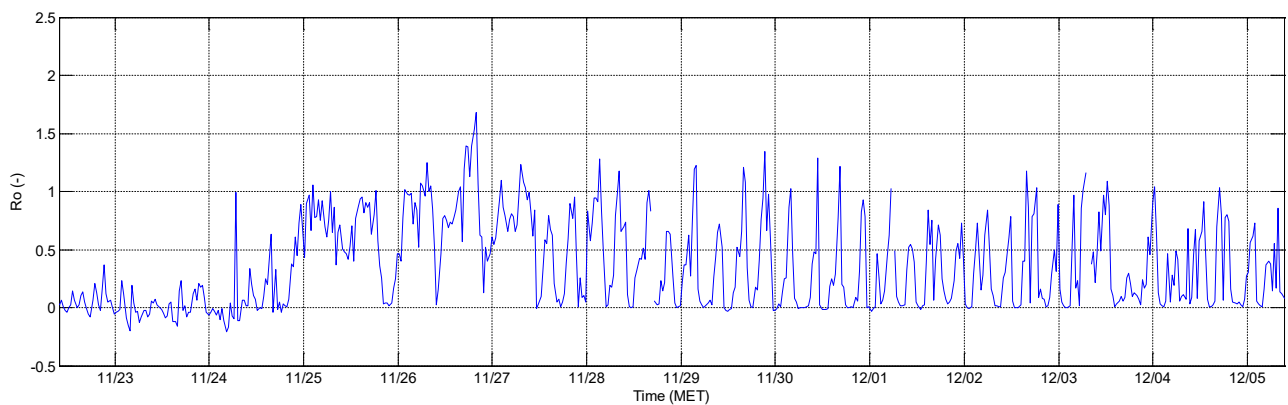
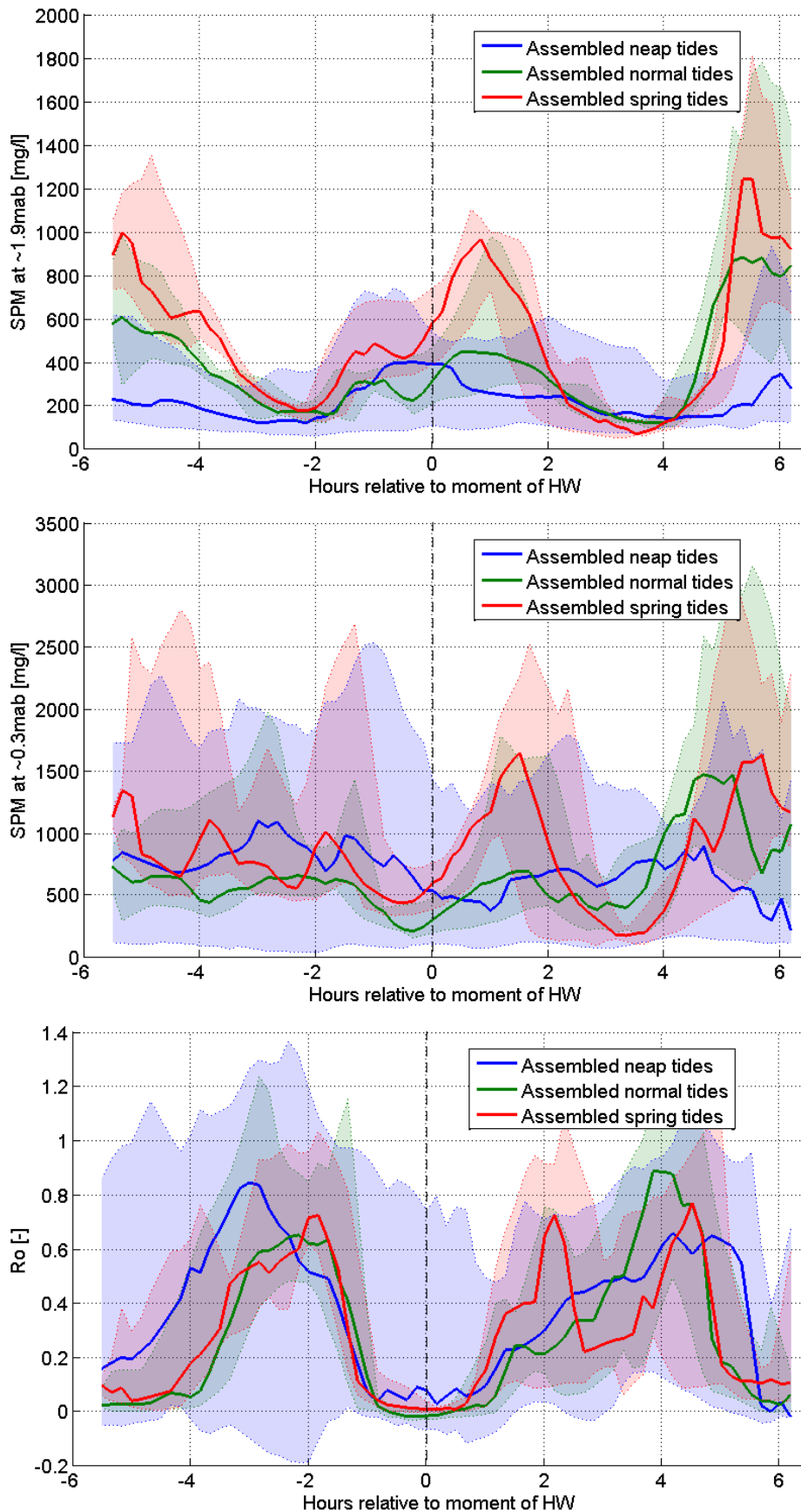


Figure 579 - Tripod deployment MOW1 (OBS): 22/11/2005 - 05/12/2005 - Median and 10-90th percentile band of the assembled SPM at 1.9mab (top), SPM at 0.28mab (middle), Ro (bottom)



F.2.5 Tripod deployment MOW1 (OBS): February 2006

Figure 580 - Tripod deployment MOW1 (OBS): February 2006, SPM [mg/l]

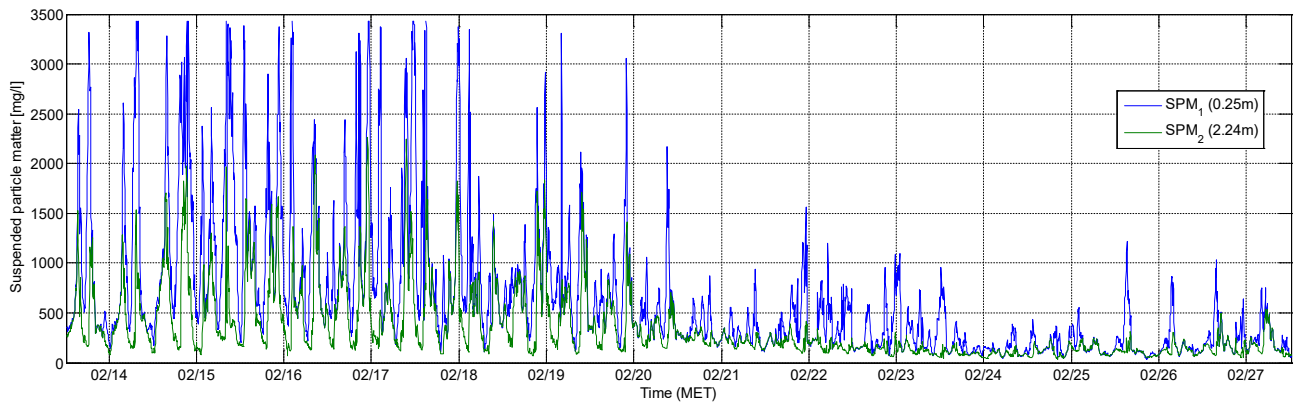


Figure 581 - Tripod deployment MOW1 (OBS): February 2006, Pressure [dbar]

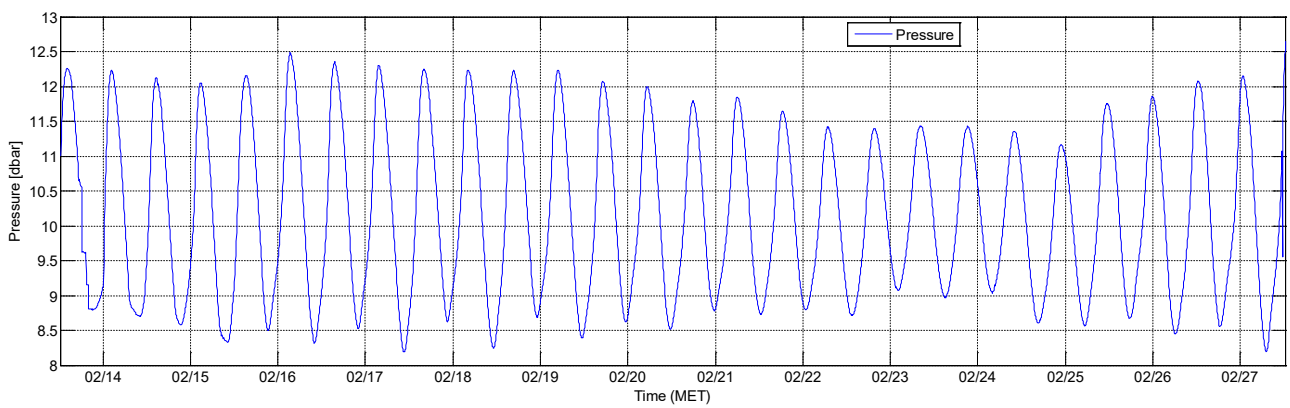


Figure 582 - Tripod deployment MOW1 (OBS): February 2006, Ro [-]

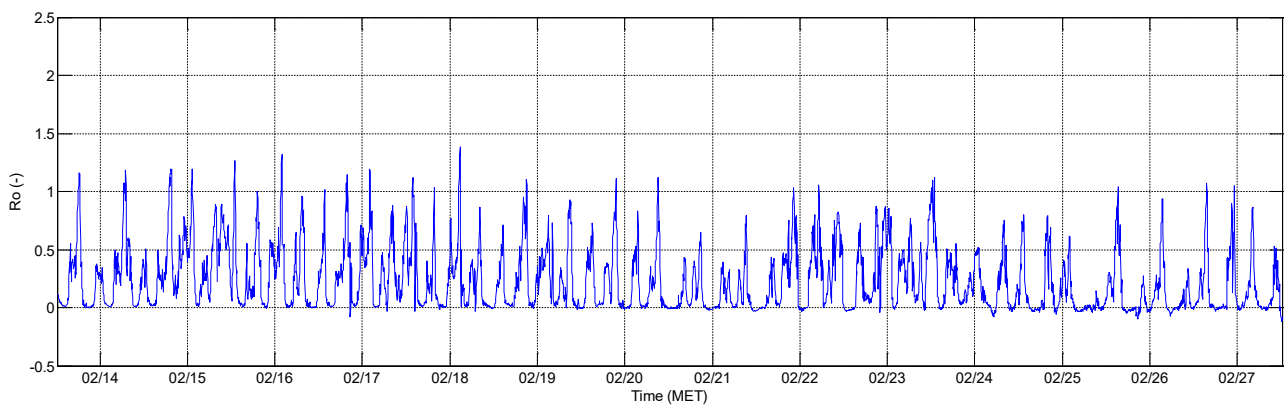
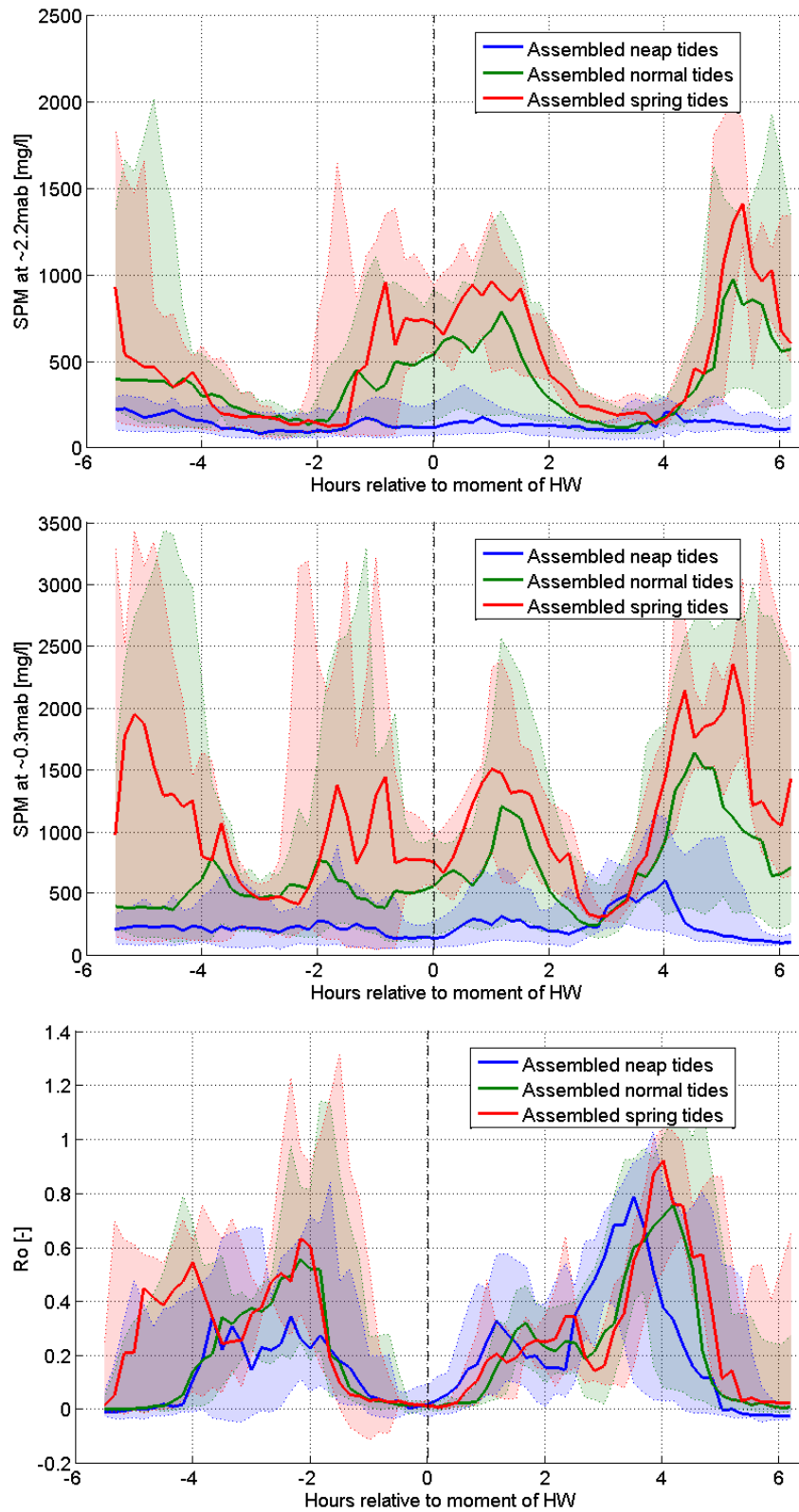


Figure 583 - Tripod deployment MOW1 (OBS): 13/02/2006 - 27/02/2006 - Median and 10-90th percentile band of the assembled SPM at 2.2mab (top), SPM at 0.25mab (middle), Ro (bottom)



F.2.6 Tripod deployment MOW1 (OBS): March - April 2006

Figure 584 - Tripod deployment MOW1 (OBS): March - April 2006, SPM [mg/l]

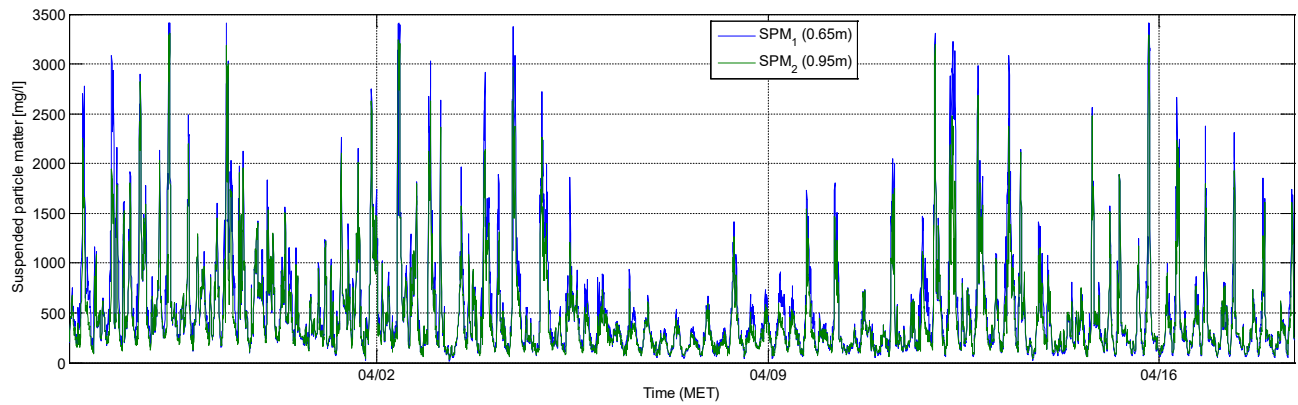


Figure 585 - Tripod deployment MOW1 (OBS): March - April 2006, Pressure [dbar]

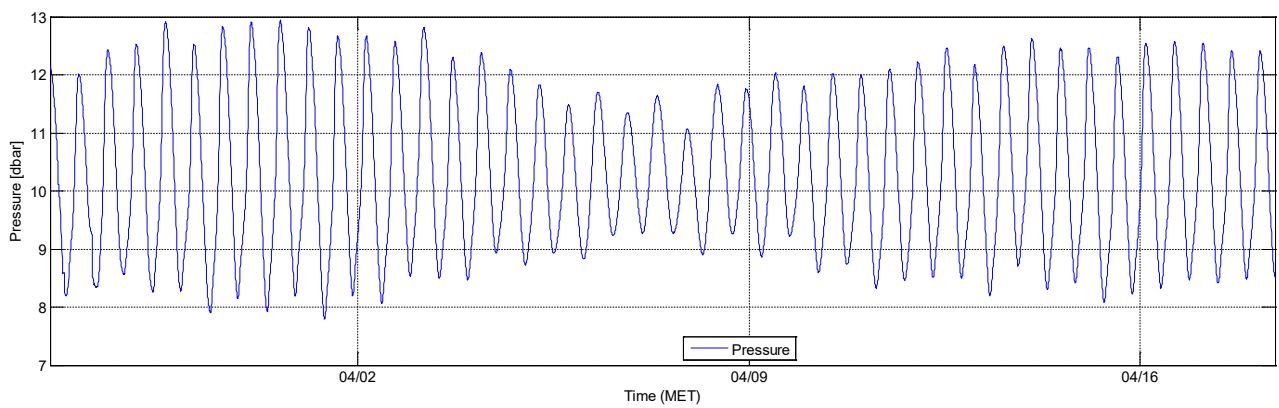
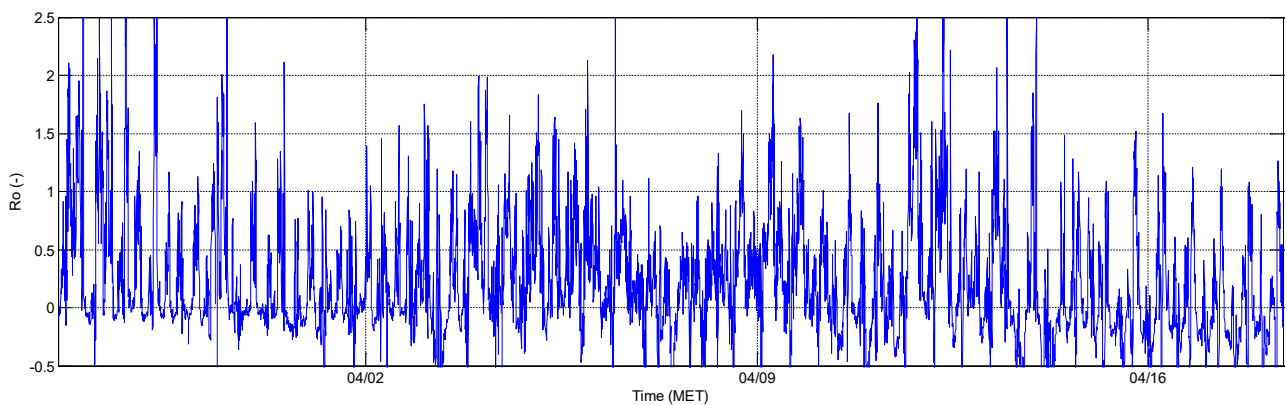


Figure 586 - Tripod deployment MOW1 (OBS): March - April 2006, Ro [-]



F.2.7 Tripod deployment MOW1 (OBS): May - June 2006

Figure 587 - Tripod deployment MOW1 (OBS): May - June 2006, SPM [mg/l]

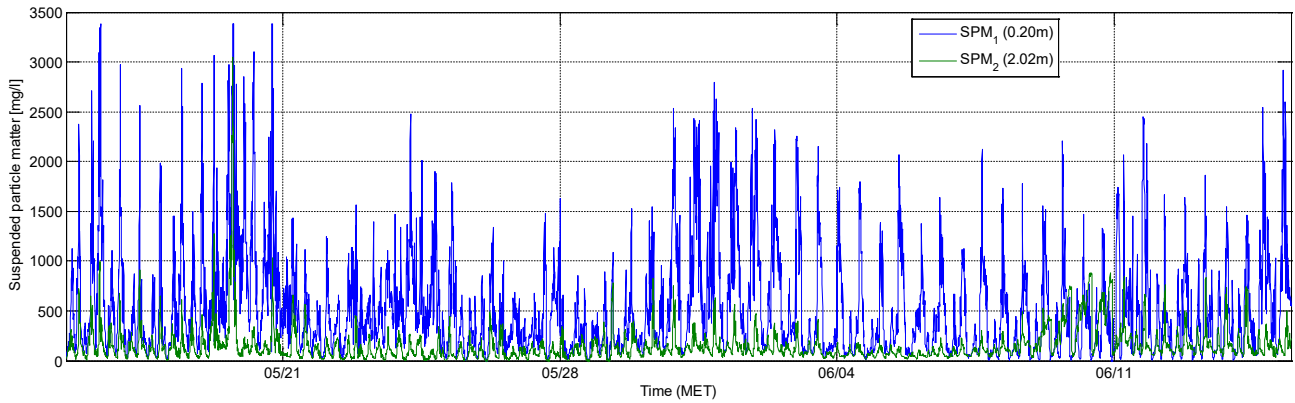


Figure 588 - Tripod deployment MOW1 (OBS): May - June 2006, Pressure [dbar]

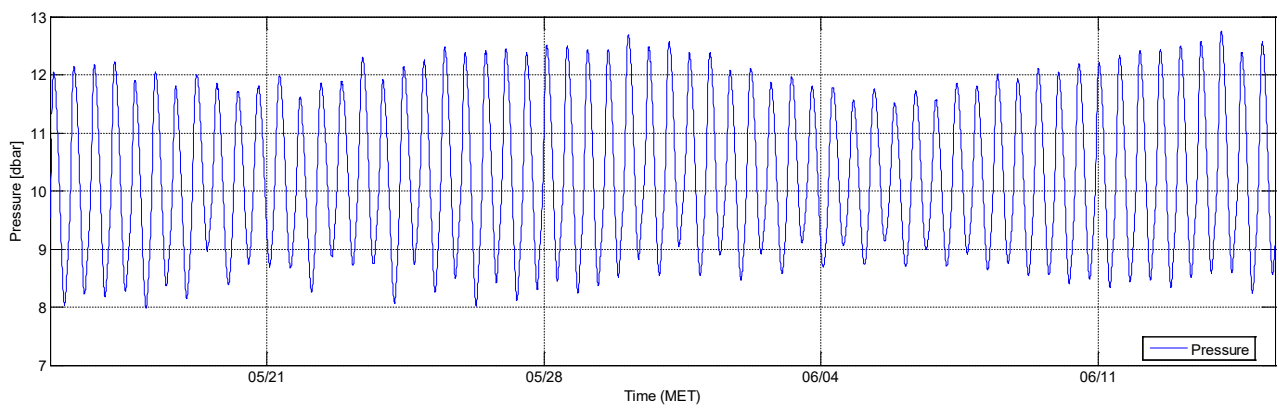


Figure 589 - Tripod deployment MOW1 (OBS): May - June 2006, Ro [-]

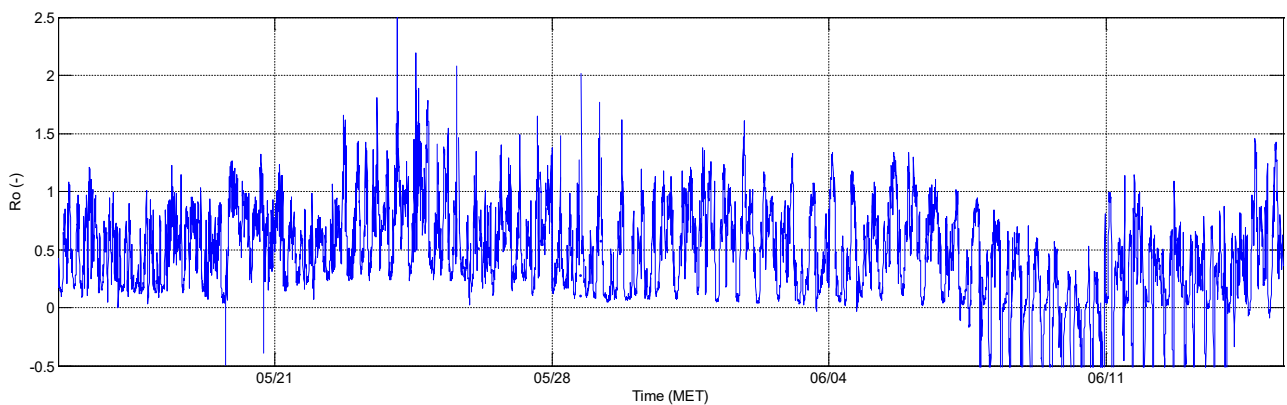
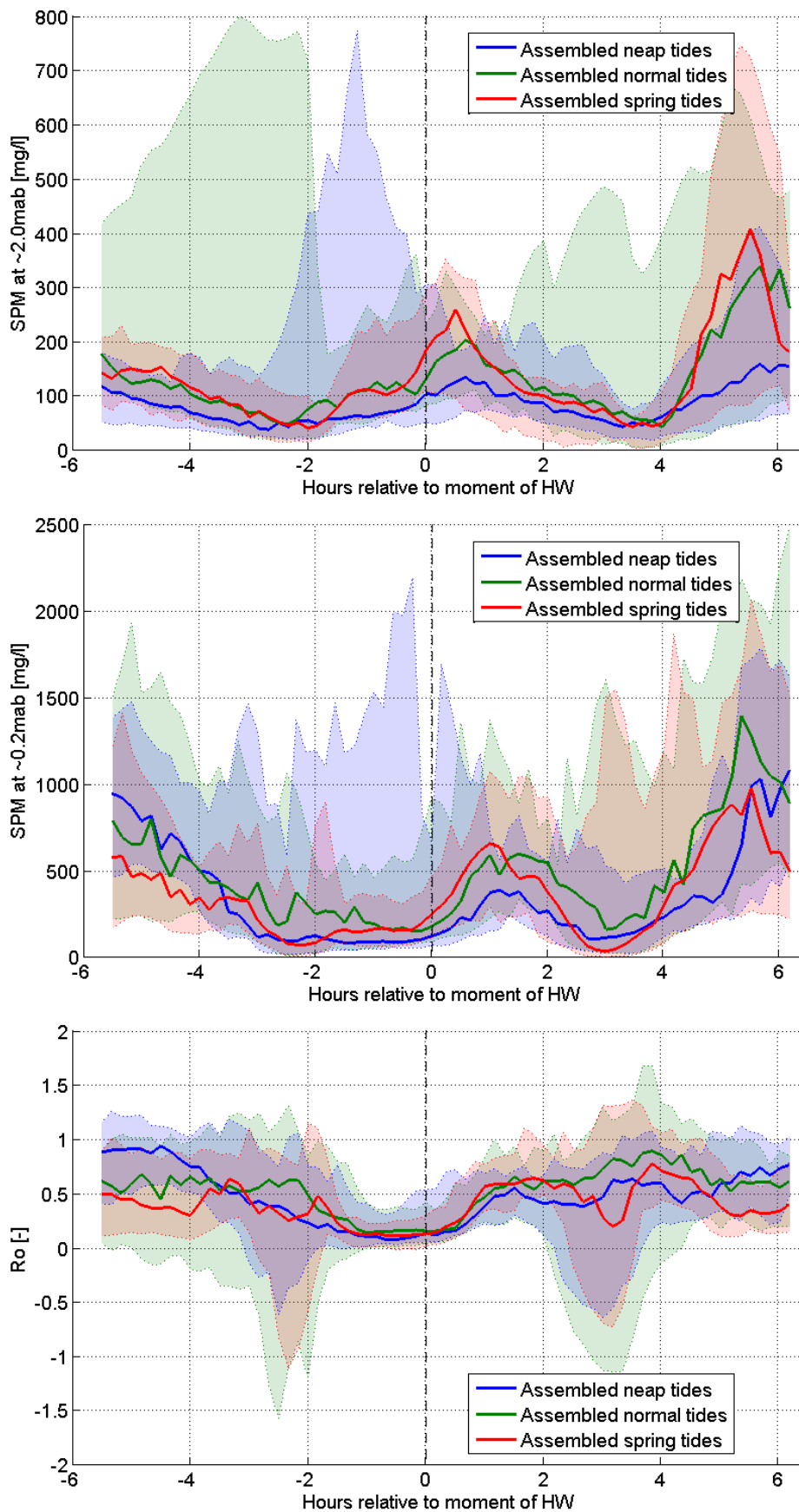


Figure 590 - Tripod deployment MOW1 (OBS): 15/05/2006 - 15/06/2006 - Median and 10-90th percentile band of the assembled SPM at 2mab (top), SPM at 0.2mab (middle), Ro (bottom)



F.2.8 Tripod deployment MOW1 (OBS): July 2007

Figure 591 - Tripod deployment MOW1 (OBS): July 2007, SPM [mg/l]

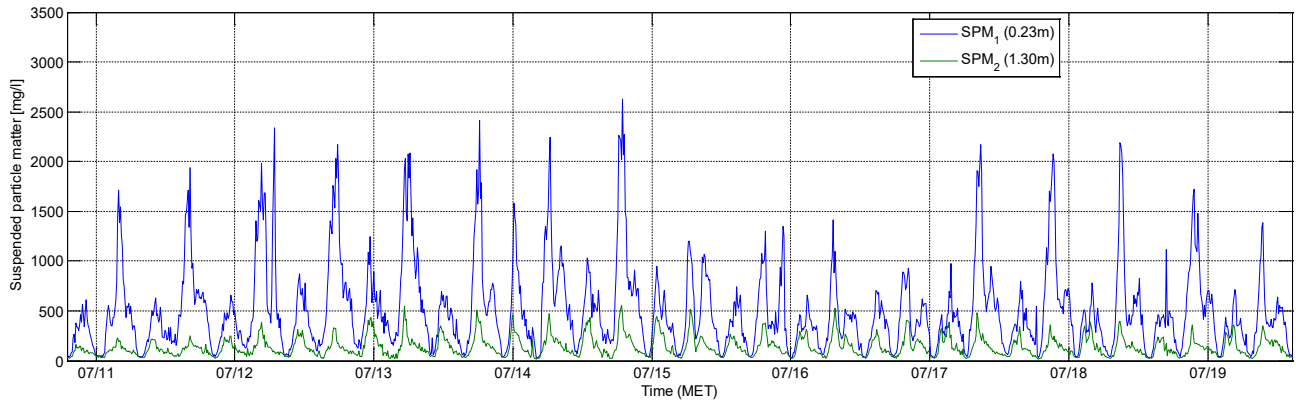


Figure 592 - Tripod deployment MOW1 (OBS): July 2007, Pressure [dbar]

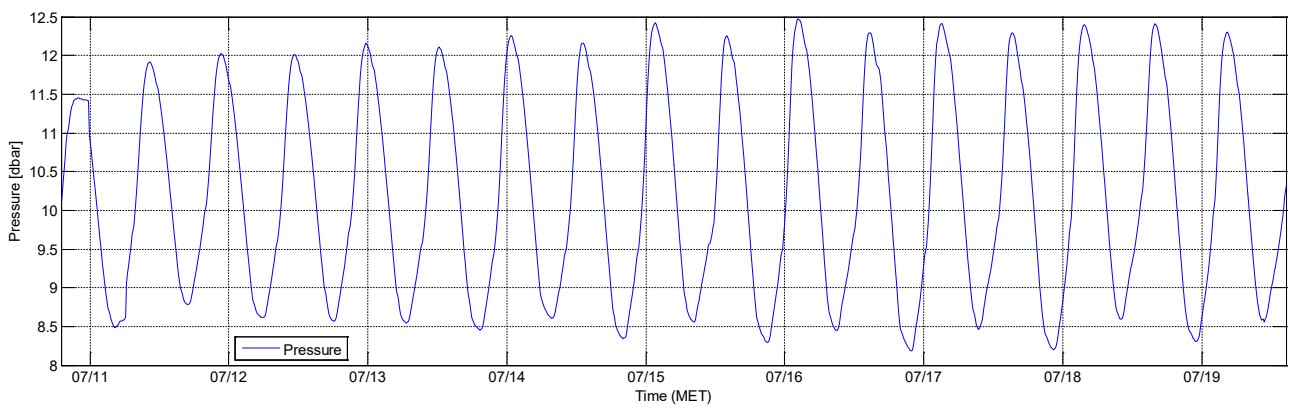
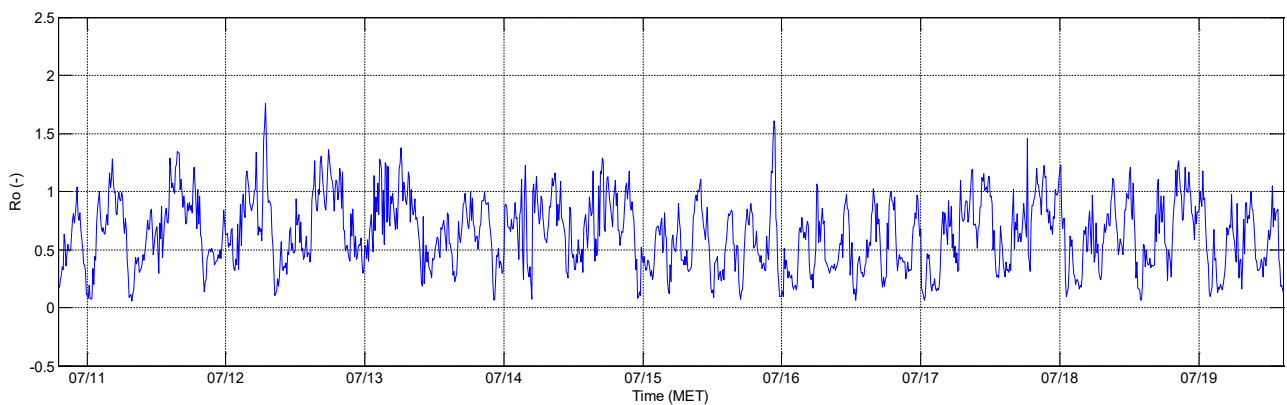


Figure 593 - Tripod deployment MOW1 (OBS): July 2007, Ro [-]



F.2.9 Tripod deployment MOW1 (OBS): October - November 2007

Figure 594 - Tripod deployment MOW1 (OBS): October - November 2007, SPM [mg/l]

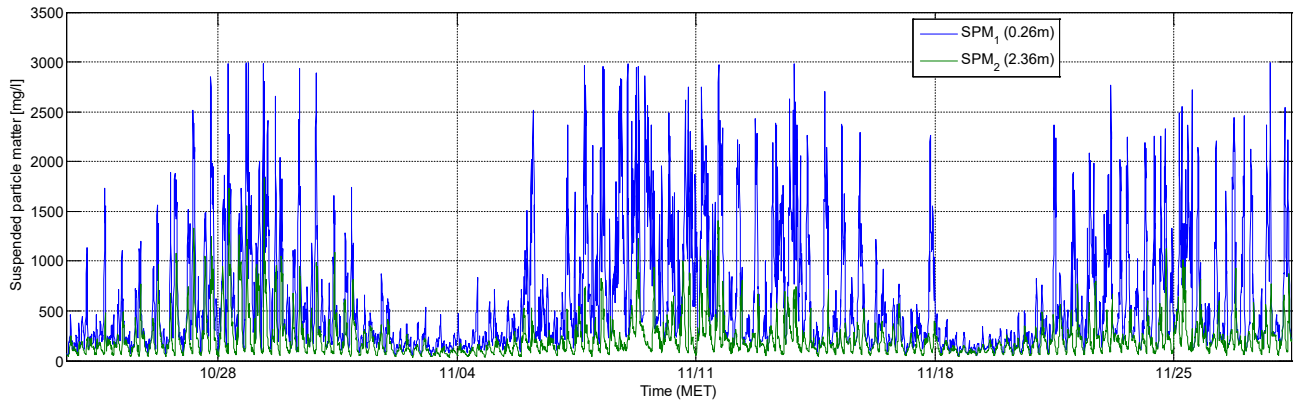


Figure 595 - Tripod deployment MOW1 (OBS): October - November 2007, Pressure [dbar]

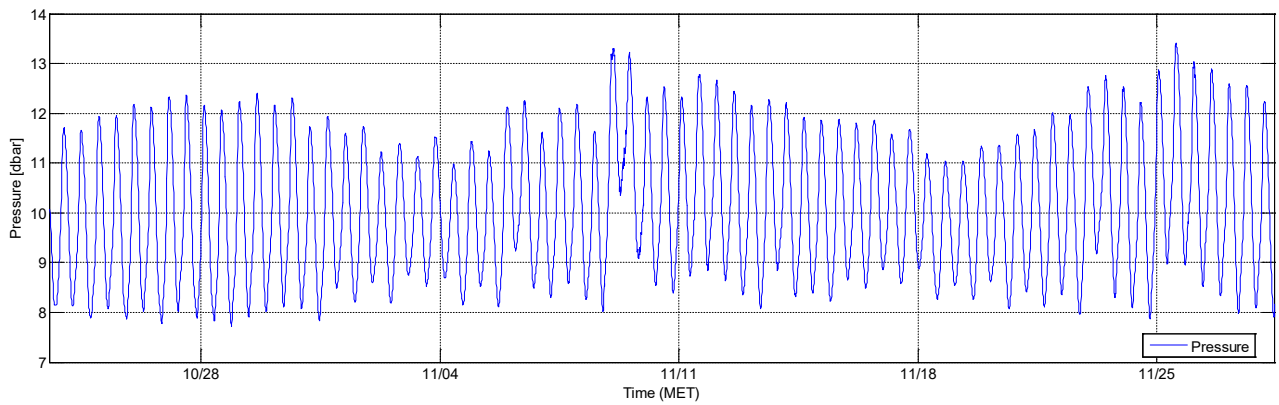


Figure 596 - Tripod deployment MOW1 (OBS): October - November 2007, Ro [-]

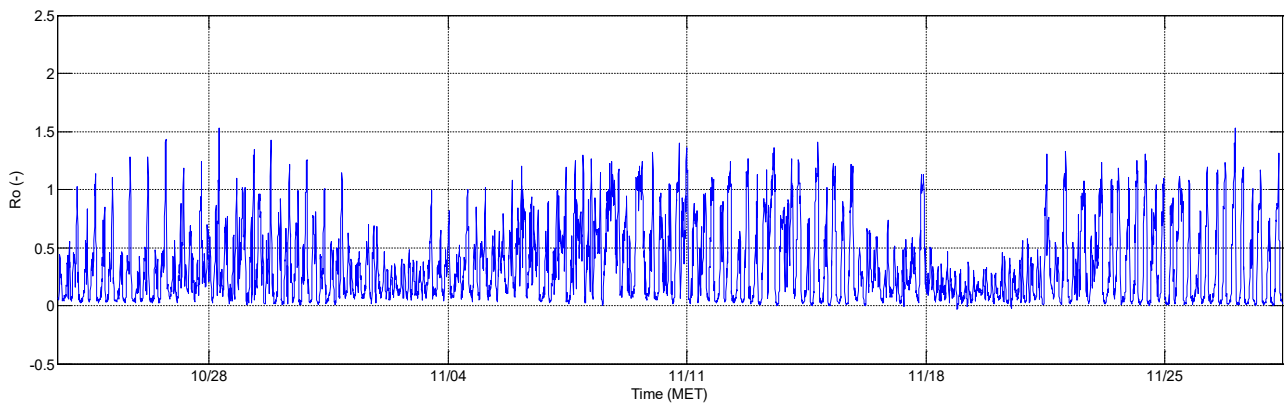
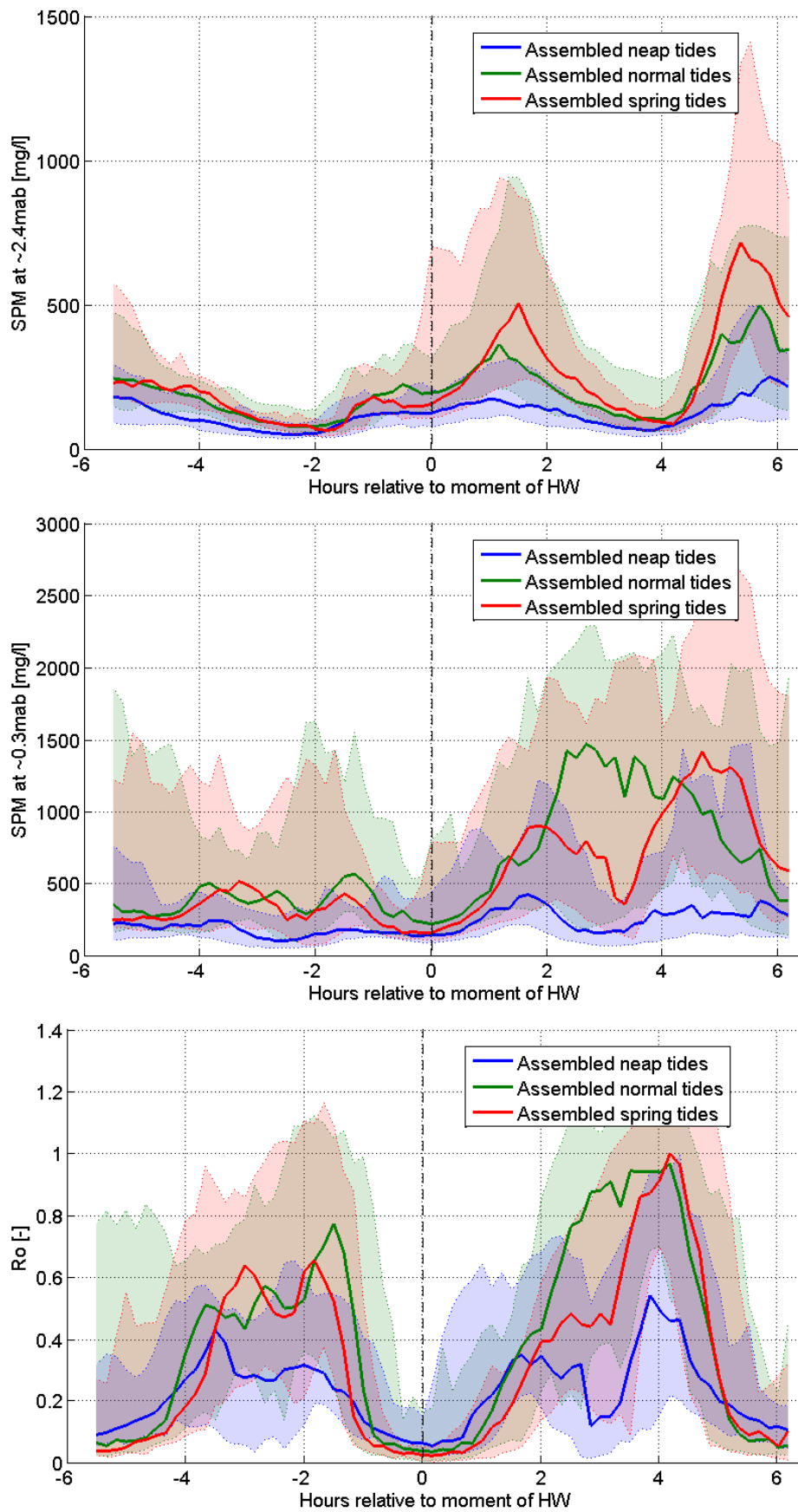


Figure 597 - Tripod deployment MOW1 (OBS): 23/10/2007 - 28/11/2007 - Median and 10-90th percentile band of the assembled SPM at 2.4mab (top), SPM at 0.26mab (middle), Ro (bottom)



F.2.10 Tripod deployment MOW1 (OBS): November - December 2008

Figure 598 - Tripod deployment MOW1 (OBS): November - December 2008, SPM [mg/l]

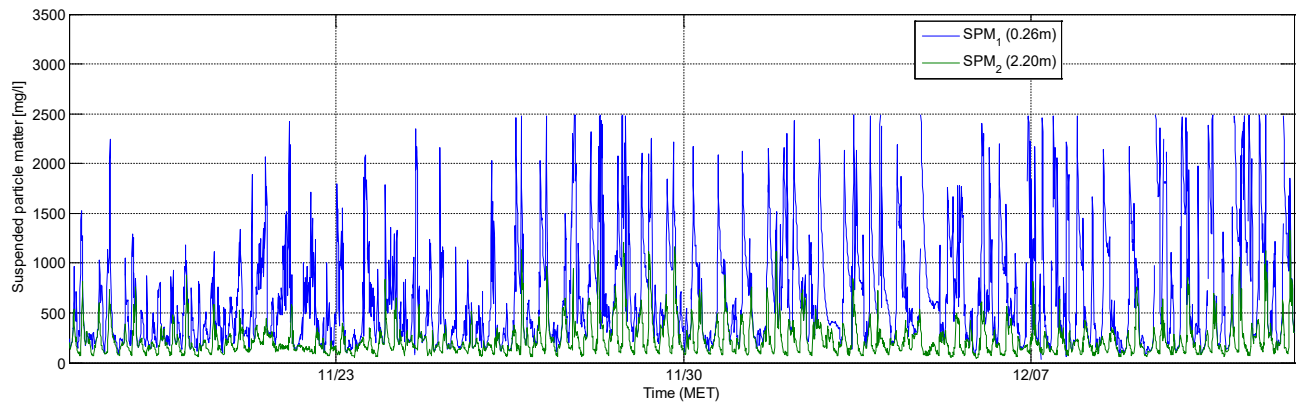


Figure 599 - Tripod deployment MOW1 (OBS): November - December 2008, Depth [m]

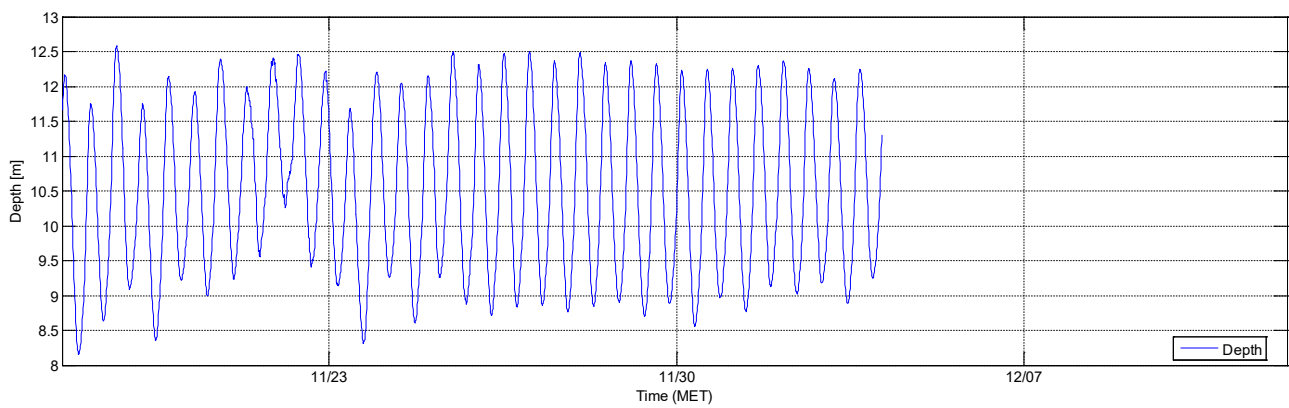


Figure 600 - Tripod deployment MOW1 (OBS): November - December 2008, Ro [-]

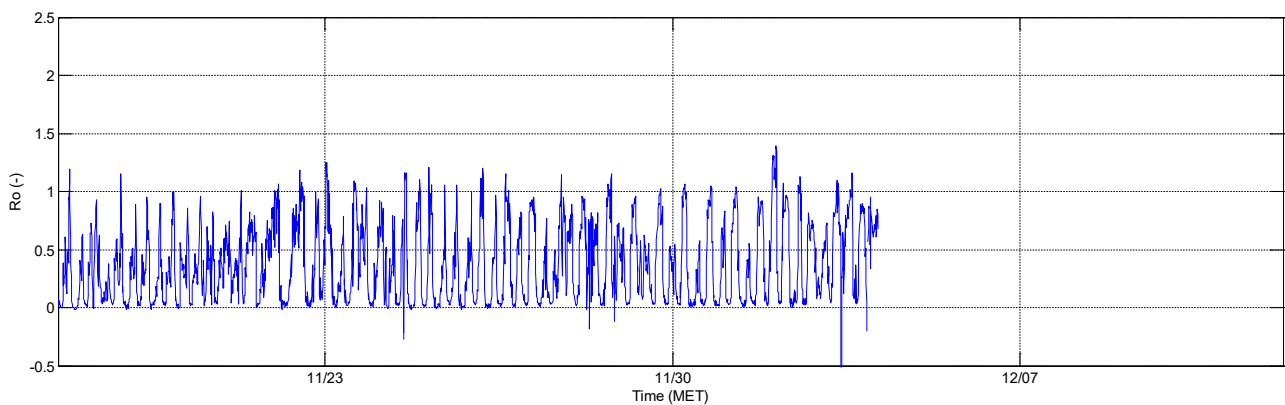
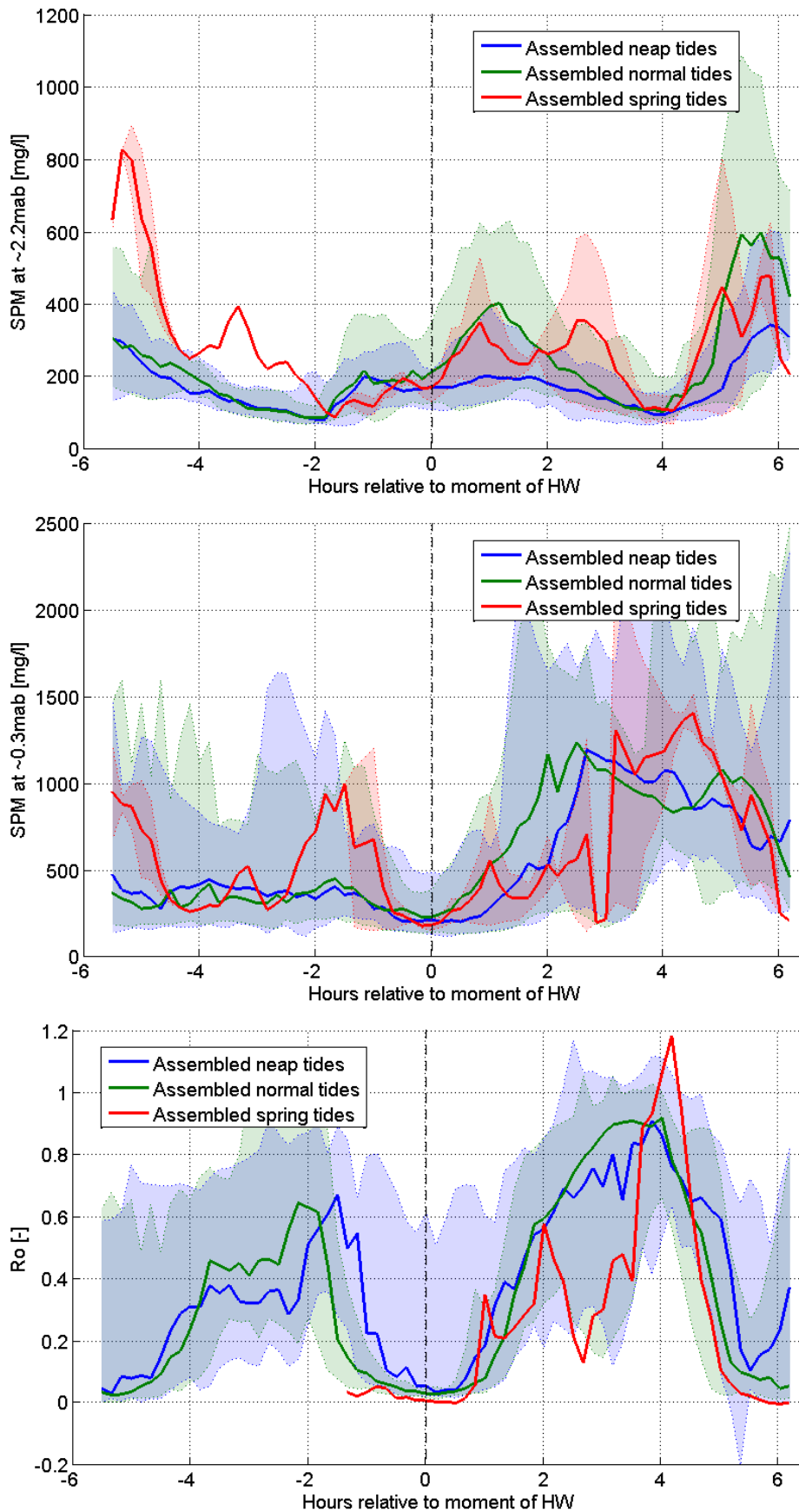


Figure 601 - Tripod deployment MOW1 (OBS): 17/11/2008 - 12/12/2008 - Median and 10-90th percentile band of the assembled SPM at 2.2mab (top), SPM at 0.26mab (middle), Ro (bottom)



F.2.11 Tripod deployment MOW1 (OBS): February - March 2009

Figure 602 - Tripod deployment MOW1 (OBS): February - March 2009, SPM [mg/l]

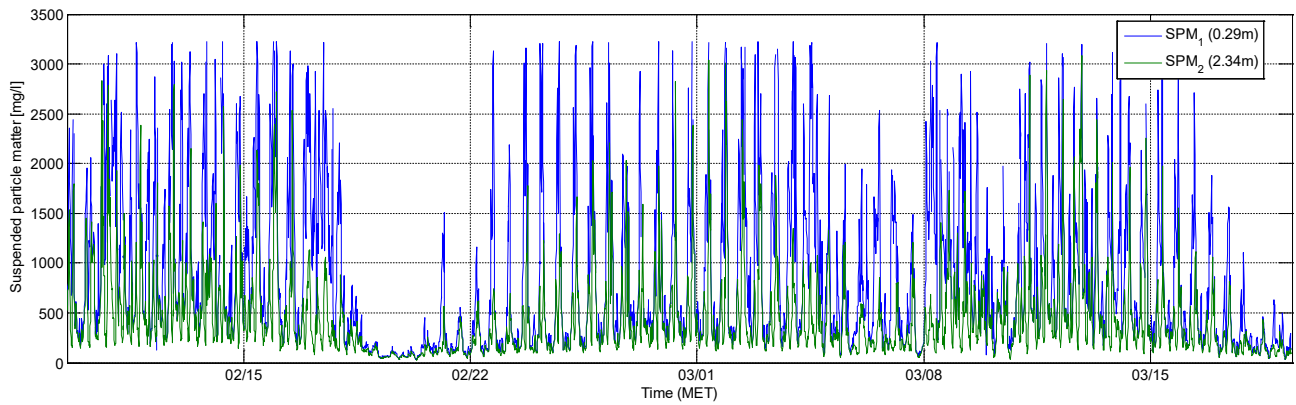


Figure 603 - Tripod deployment MOW1 (OBS): February - March 2009, Depth [m]

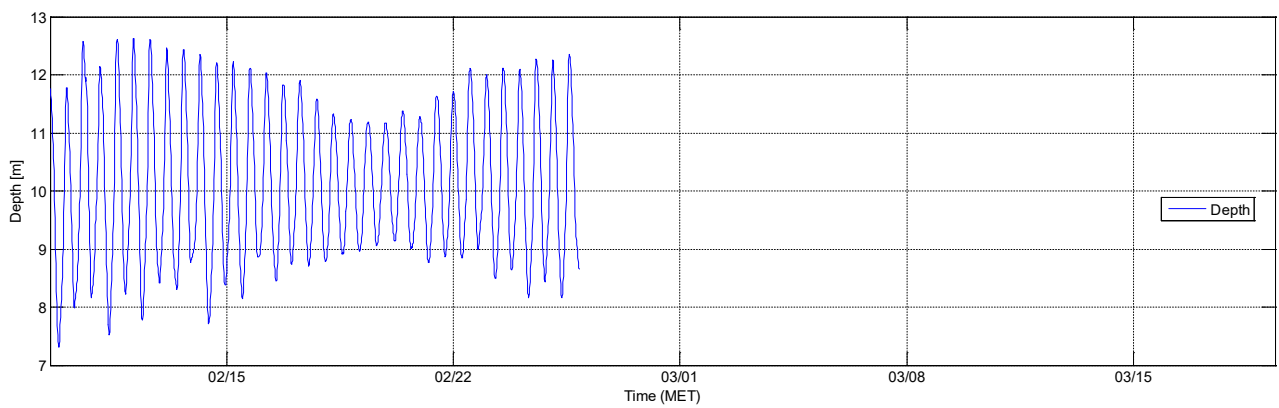


Figure 604 - Tripod deployment MOW1 (OBS): February - March 2009, Ro [-]

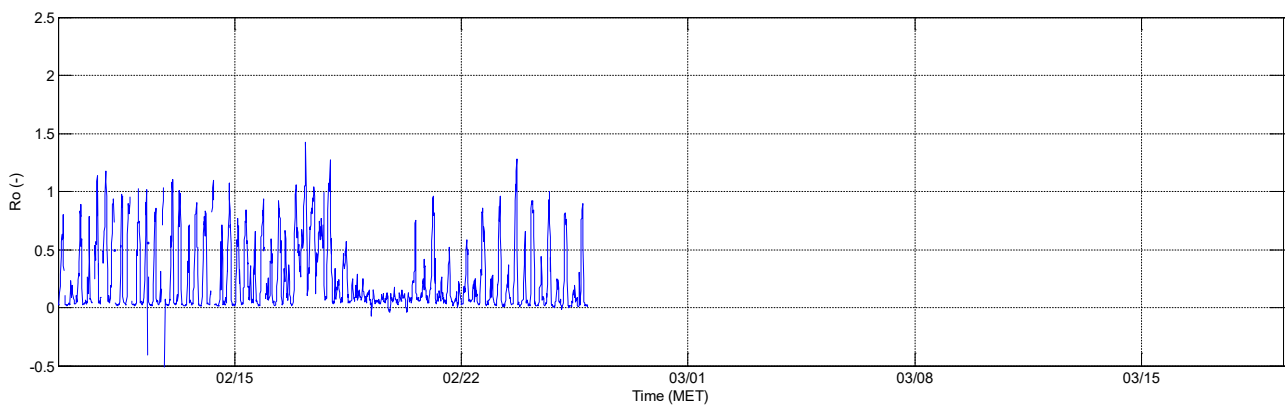
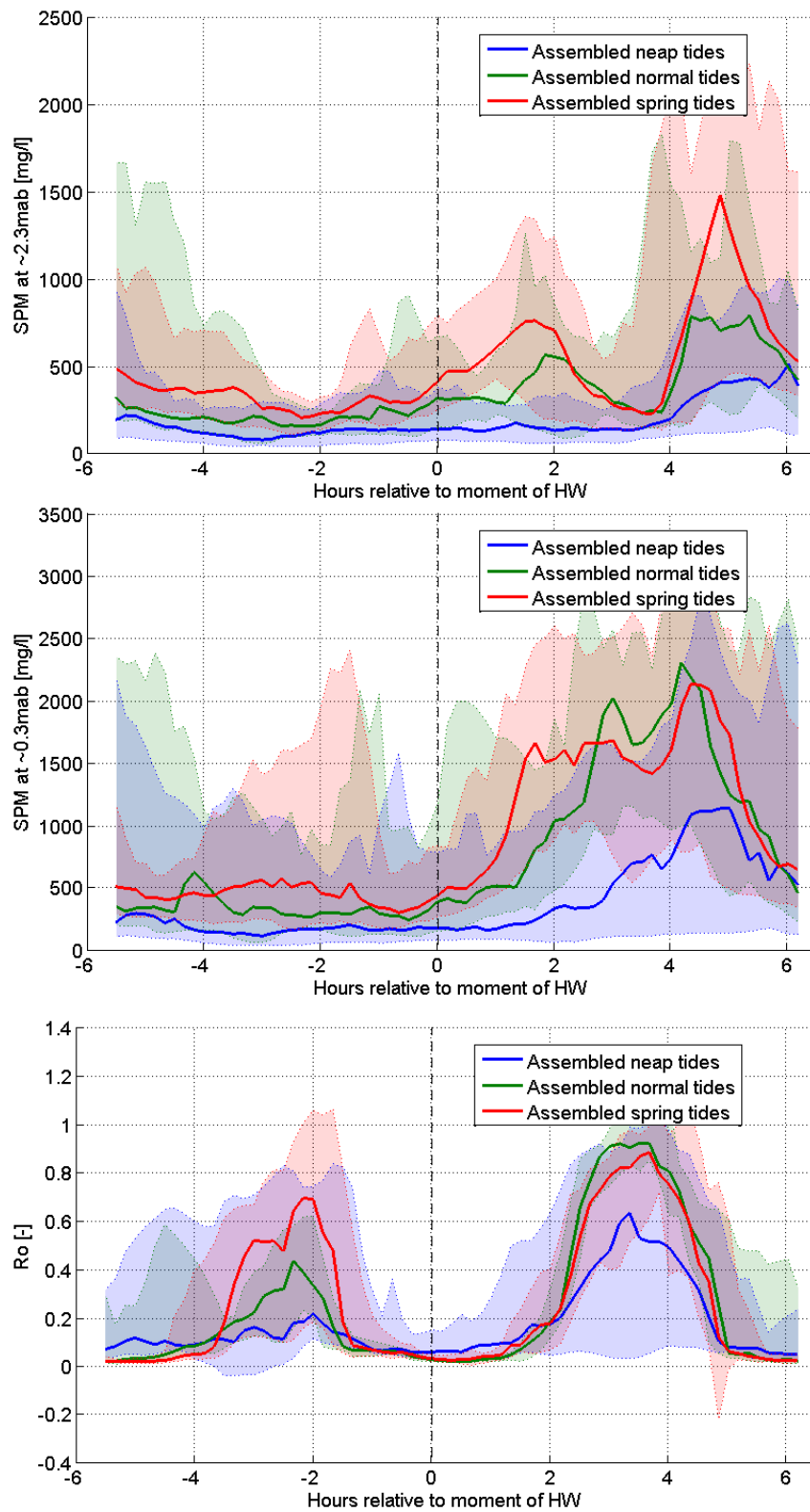


Figure 605 - Tripod deployment MOW1 (OBS): 09/02/2009 - 19/03/2009 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.12 Tripod deployment MOW1 (OBS): March - April 2009

Figure 606 - Tripod deployment MOW1 (OBS): March - April 2009, SPM [mg/l]

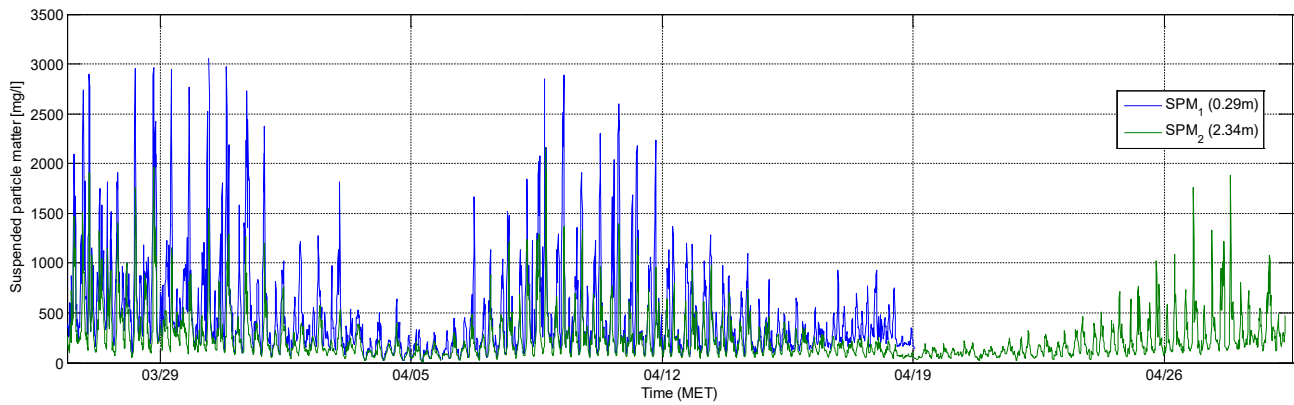


Figure 607 - Tripod deployment MOW1 (OBS): March - April 2009, Depth [m]

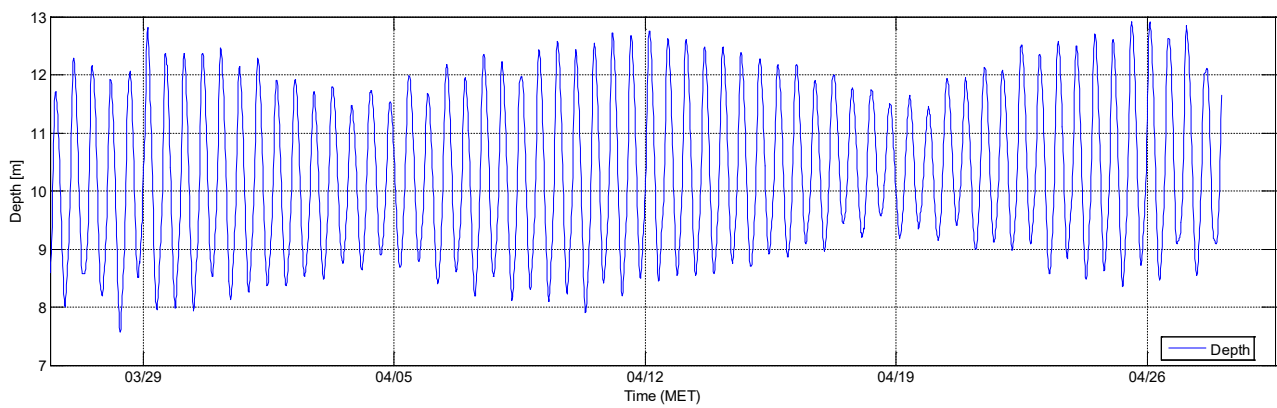


Figure 608 - Tripod deployment MOW1 (OBS): March - April 2009, Ro [-]

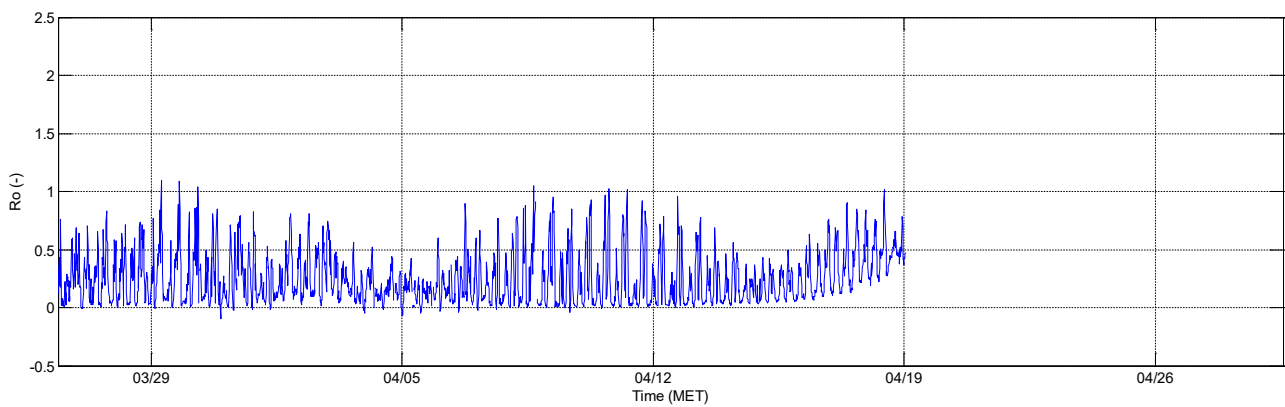
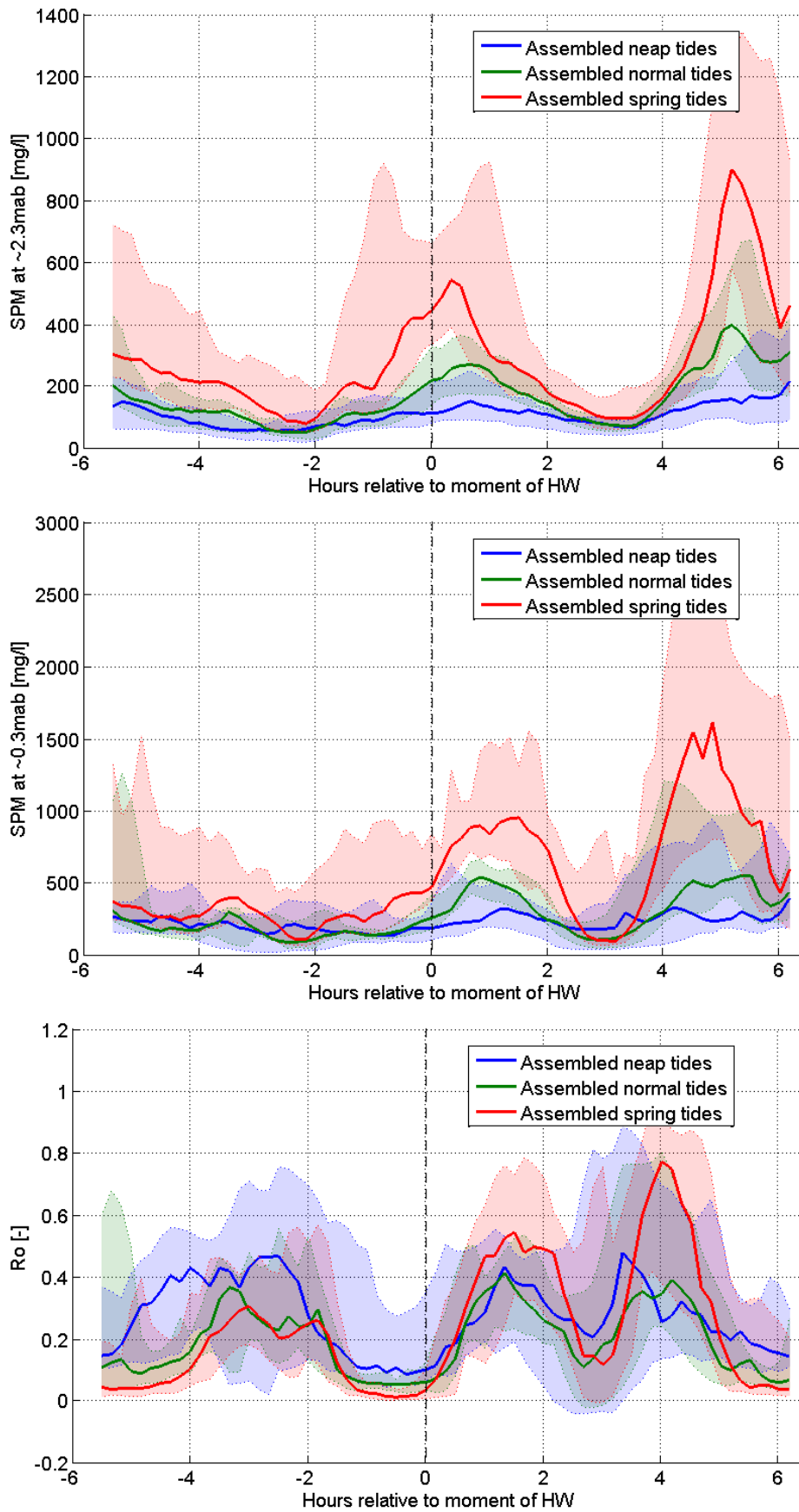


Figure 609 - Tripod deployment MOW1 (OBS): 26/03/2009 - 29/04/2009 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.13 Tripod deployment MOW1 (OBS): September - October 2009

Figure 610 - Tripod deployment MOW1 (OBS): September - October 2009, SPM [mg/l]

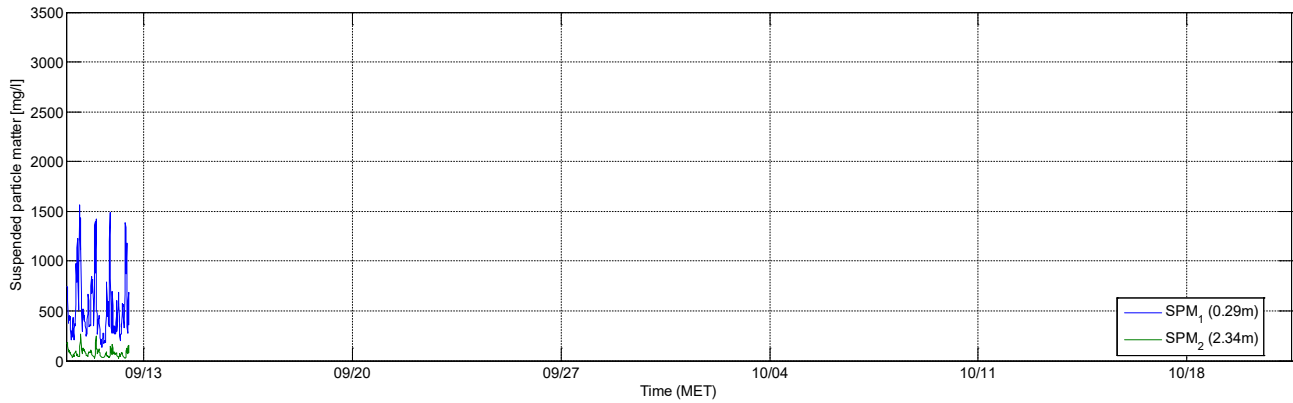


Figure 611 - Tripod deployment MOW1 (OBS): September - October 2009, Depth [m]

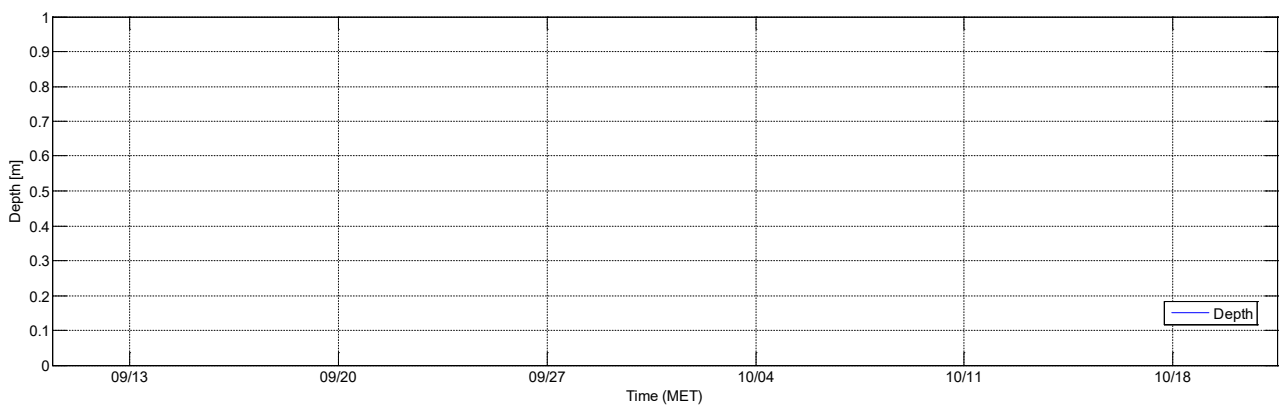
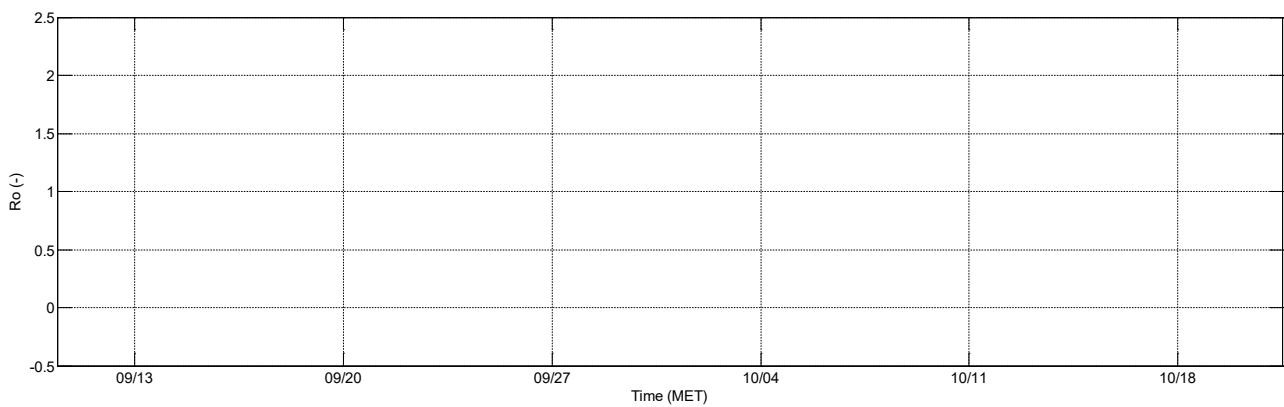


Figure 612 - Tripod deployment MOW1 (OBS): September - October 2009, Ro [-]



F.2.14 Tripod deployment MOW1 (OBS): November - December 2009

Figure 613 - Tripod deployment MOW1 (OBS): November - December 2009, SPM [mg/l]

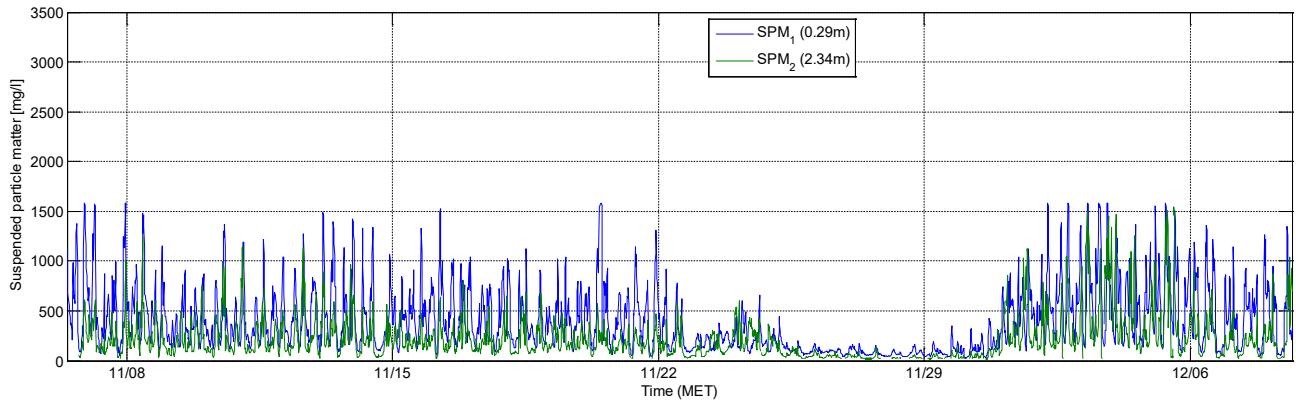


Figure 614 - Tripod deployment MOW1 (OBS): November - December 2009, Depth [m]

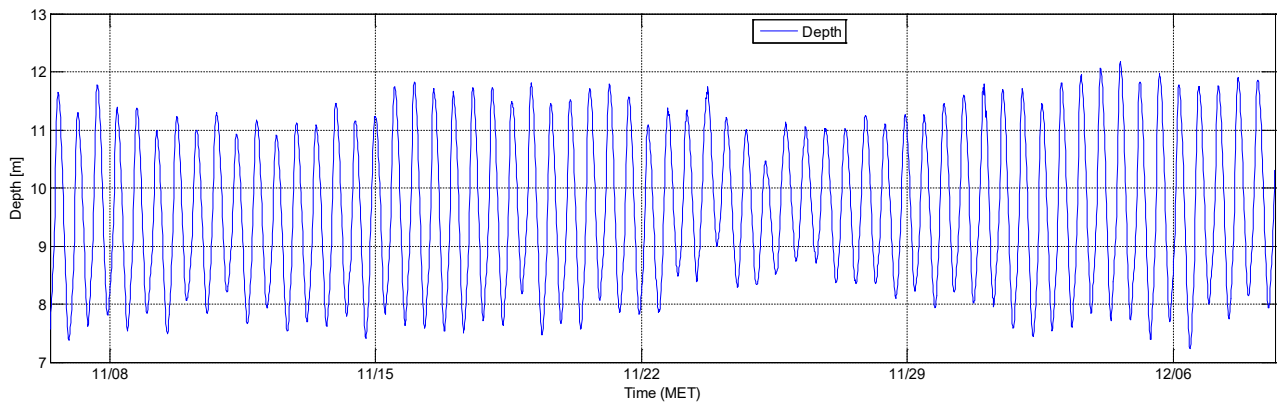


Figure 615 - Tripod deployment MOW1 (OBS): November - December 2009, Ro [-]

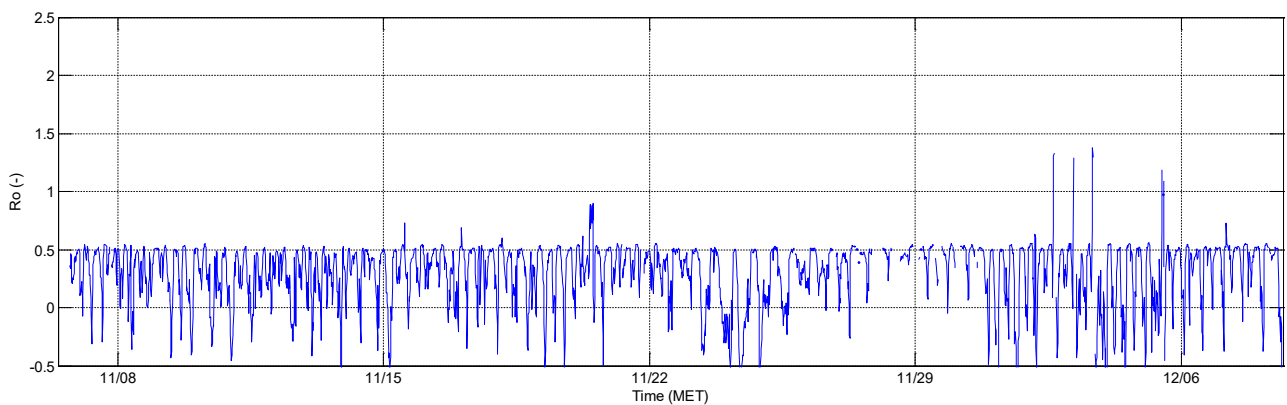
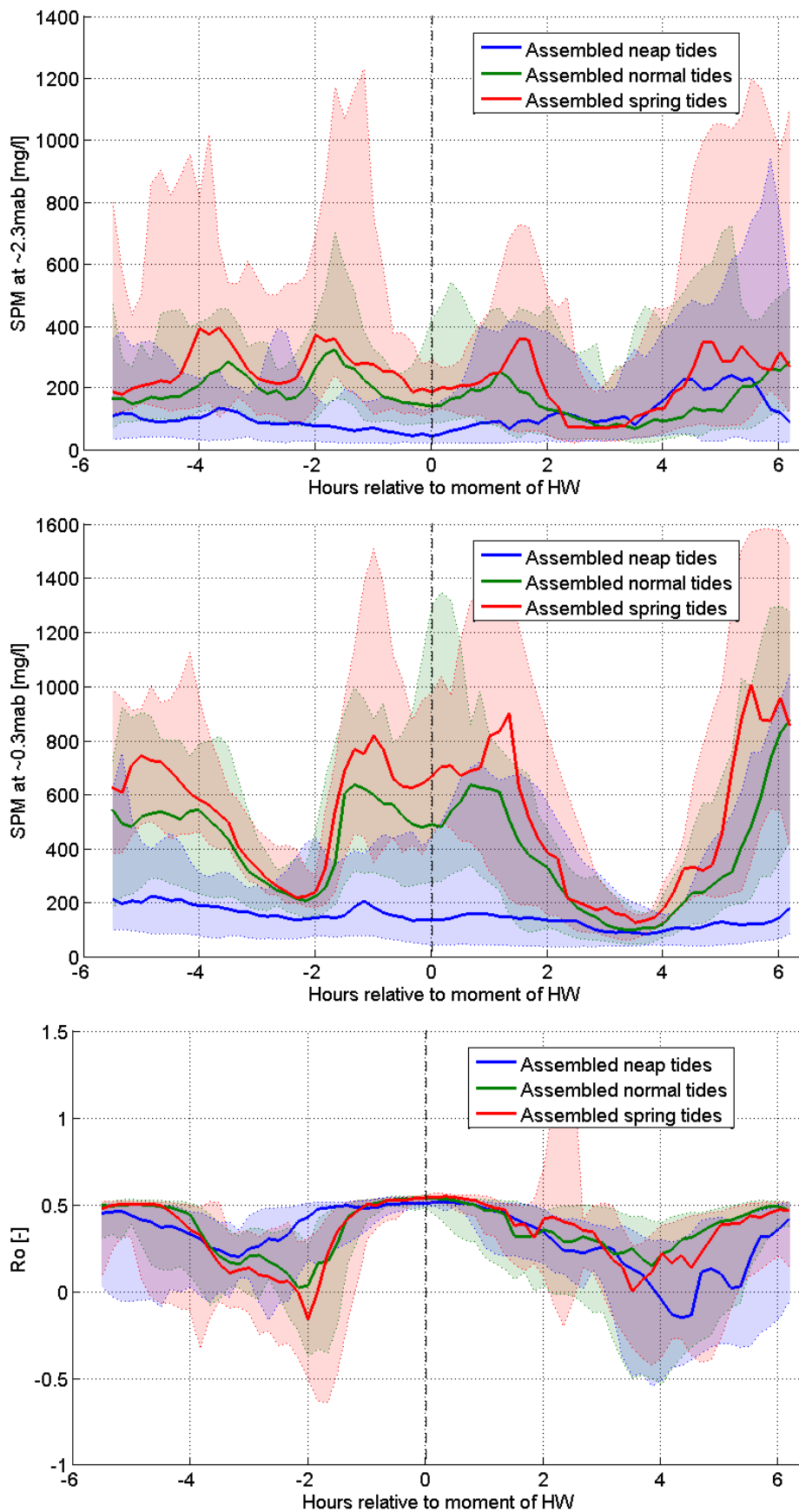


Figure 616 - Tripod deployment MOW1 (OBS): 06/11/2009 - 08/12/2009 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.15 Tripod deployment MOW1 (OBS): December 2009 - January 2010

Figure 617 - Tripod deployment MOW1 (OBS): December 2009 - January 2010, SPM [mg/l]

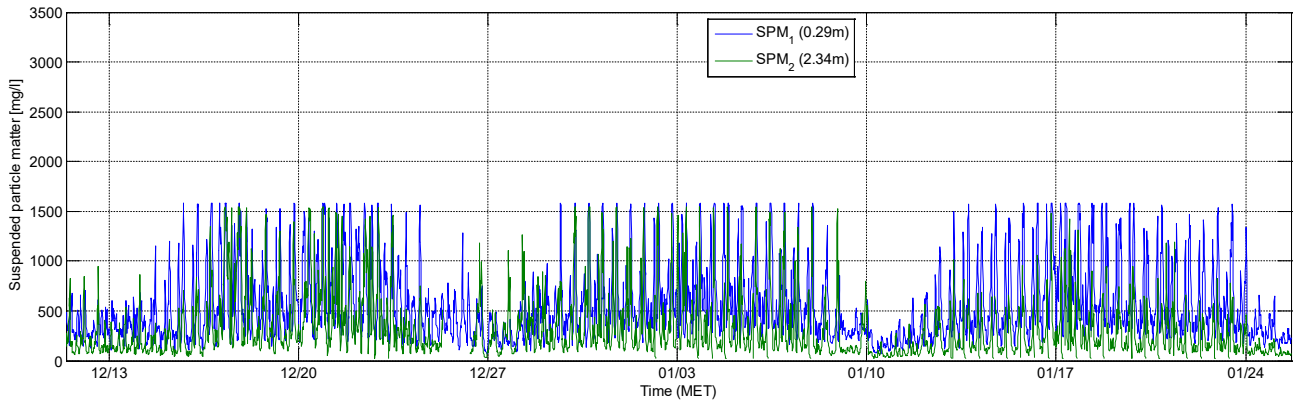


Figure 618 - Tripod deployment MOW1 (OBS): December 2009 - January 2010, Depth [m]

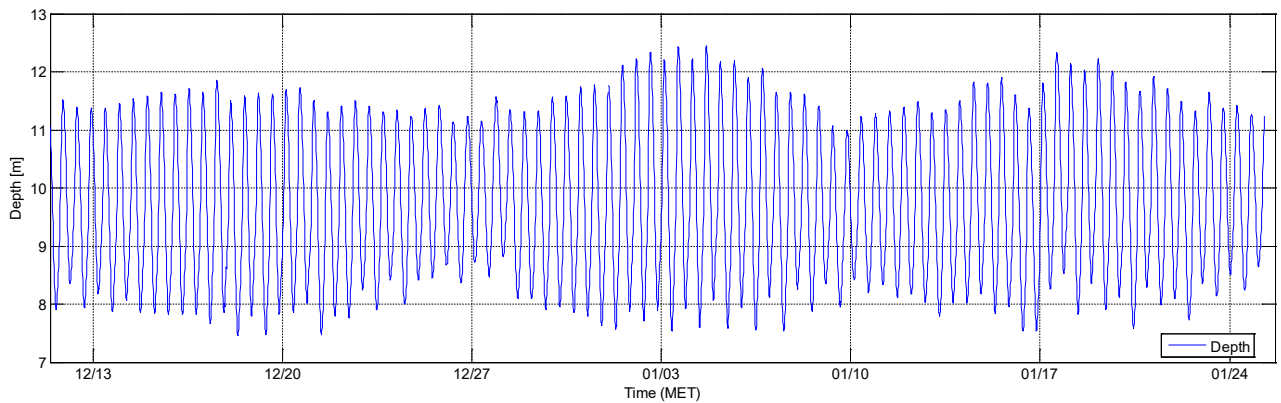


Figure 619 - Tripod deployment MOW1 (OBS): December 2009 - January 2010, Ro [-]

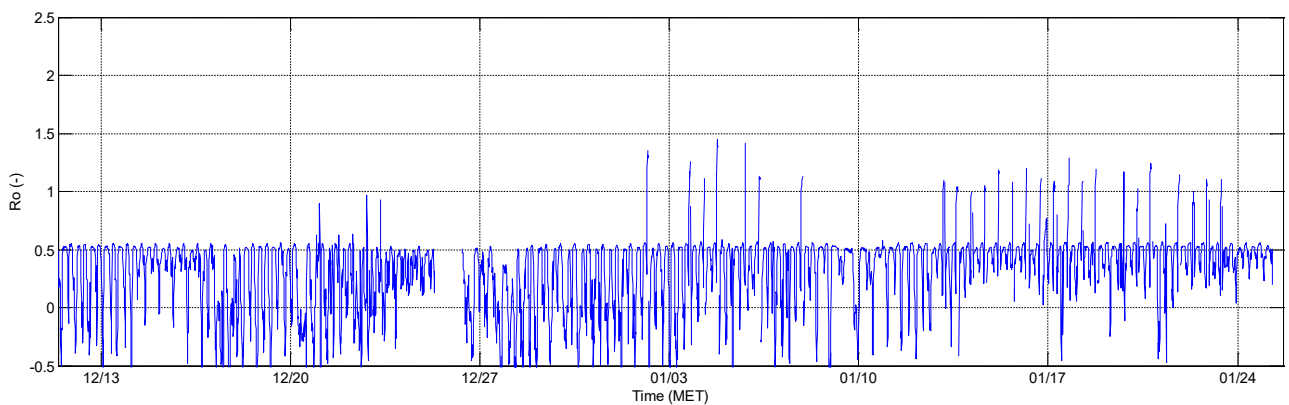
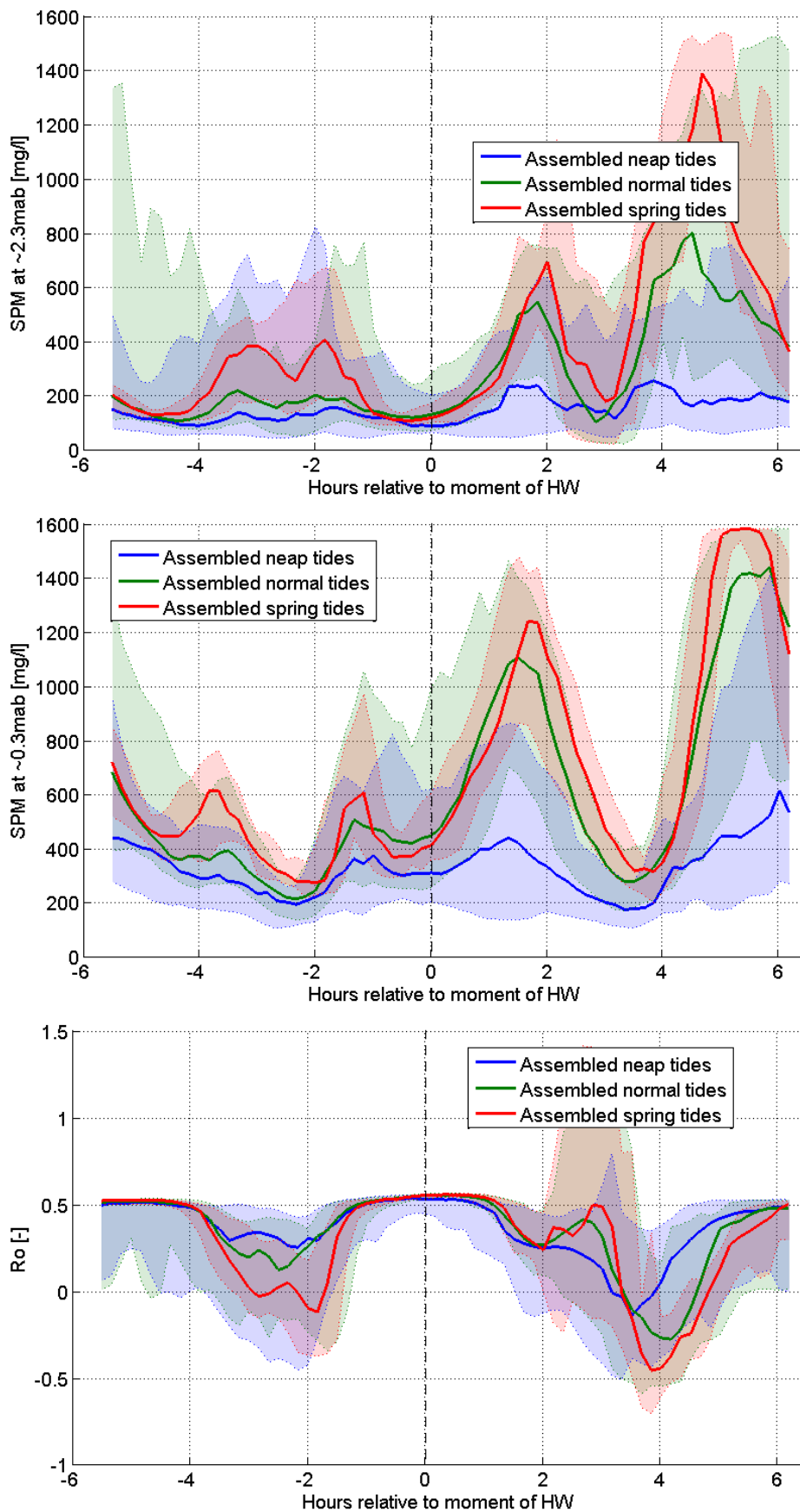


Figure 620 - Tripod deployment MOW1 (OBS): 11/12/2009 - 25/01/2010 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.16 Tripod deployment MOW1 (OBS): January - March 2010

Figure 621 - Tripod deployment MOW1 (OBS): January - March 2010, SPM [mg/l]

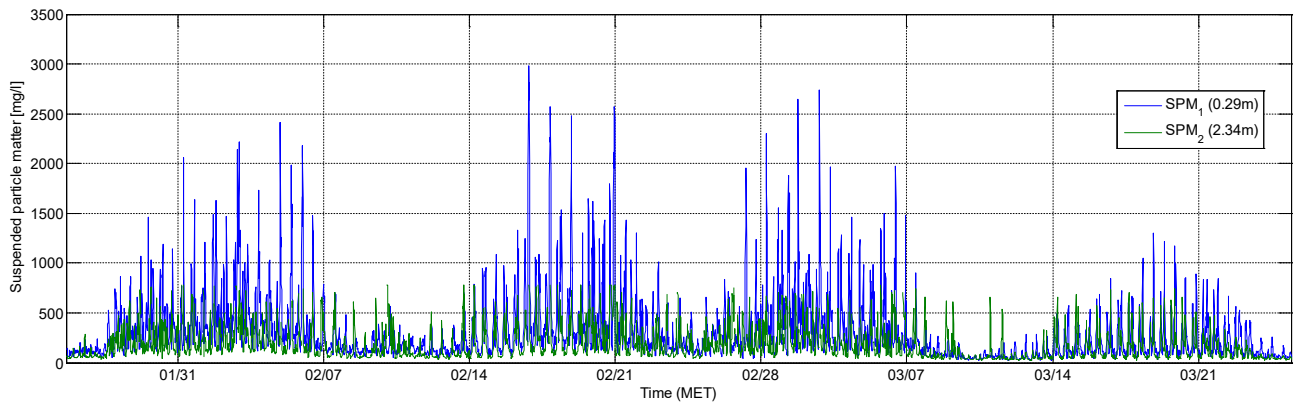


Figure 622 - Tripod deployment MOW1 (OBS): January - March 2010, Depth [m]

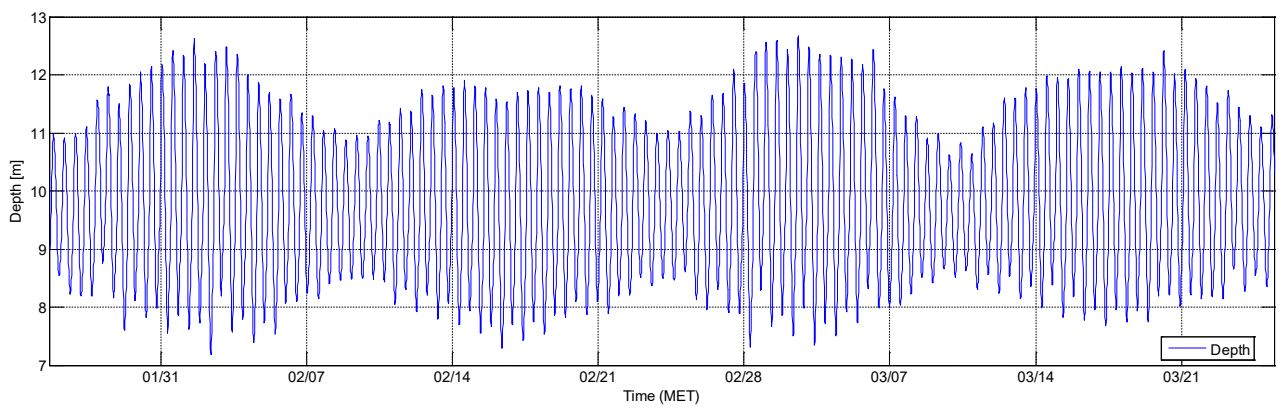


Figure 623 - Tripod deployment MOW1 (OBS): January - March 2010, Ro [-]

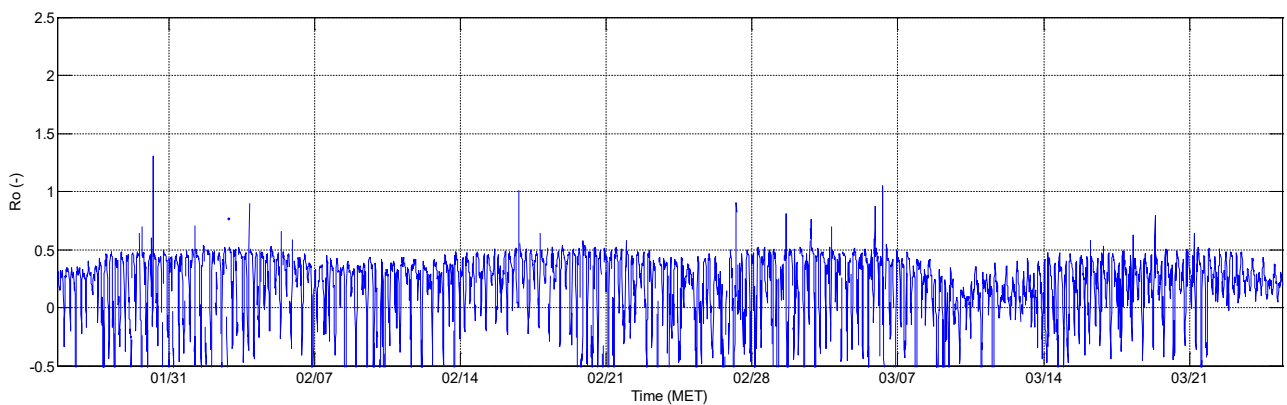
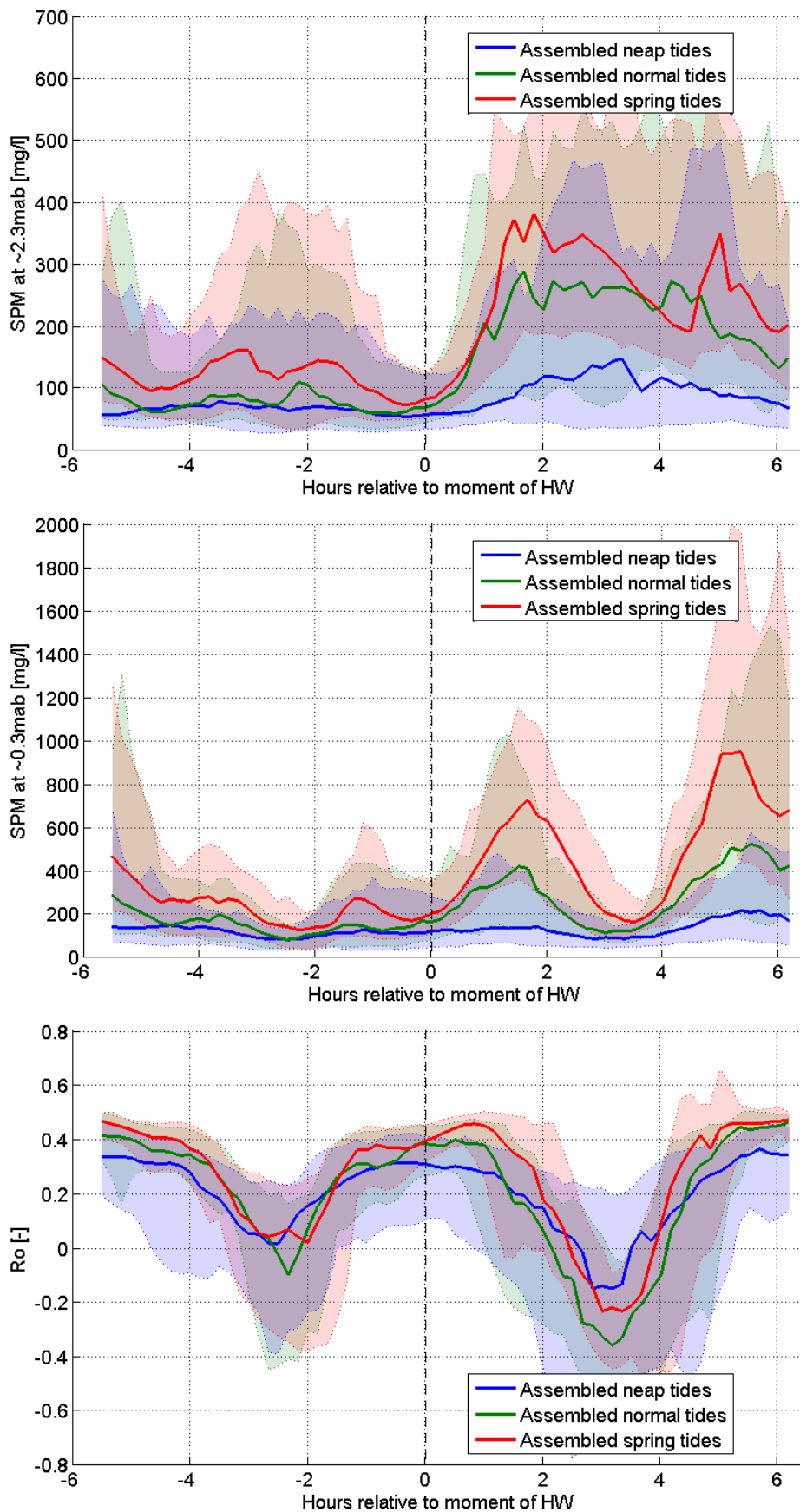


Figure 624 - Tripod deployment MOW1 (OBS): 25/01/2010 - 25/03/2010 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.17 Tripod deployment MOW1 (OBS): March - May 2010

Figure 625 - Tripod deployment MOW1 (OBS): March - May 2010, SPM [mg/l]

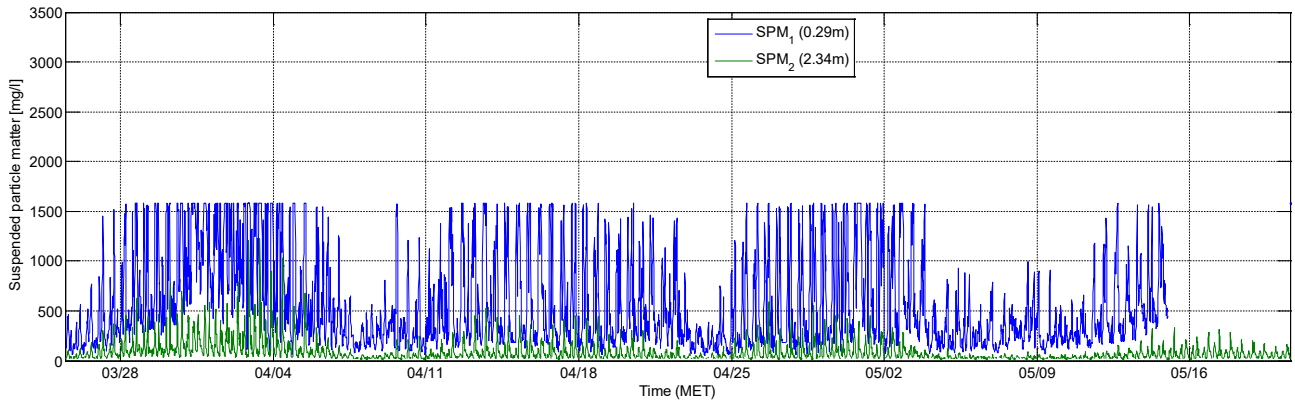


Figure 626 - Tripod deployment MOW1 (OBS): March - May 2010, Depth [m]

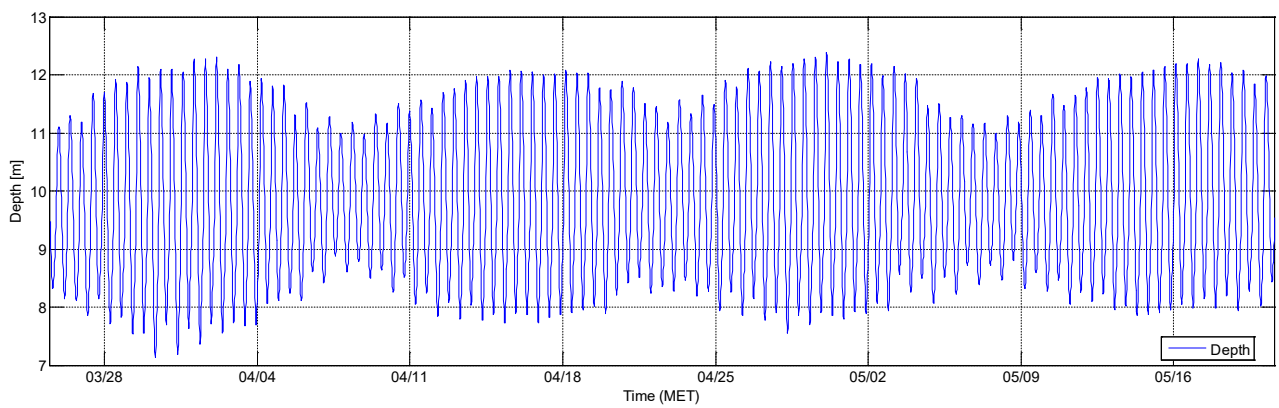


Figure 627 - Tripod deployment MOW1 (OBS): March - May 2010, Ro [-]

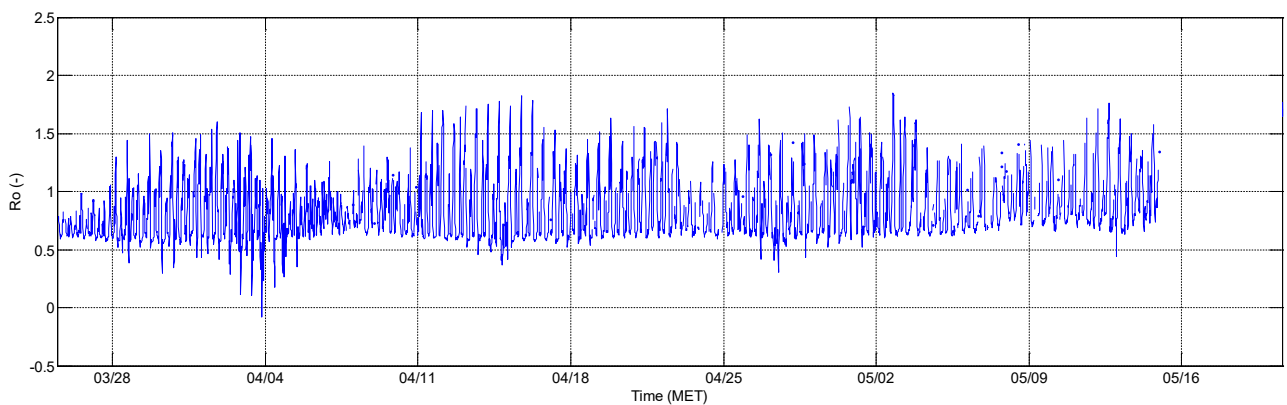
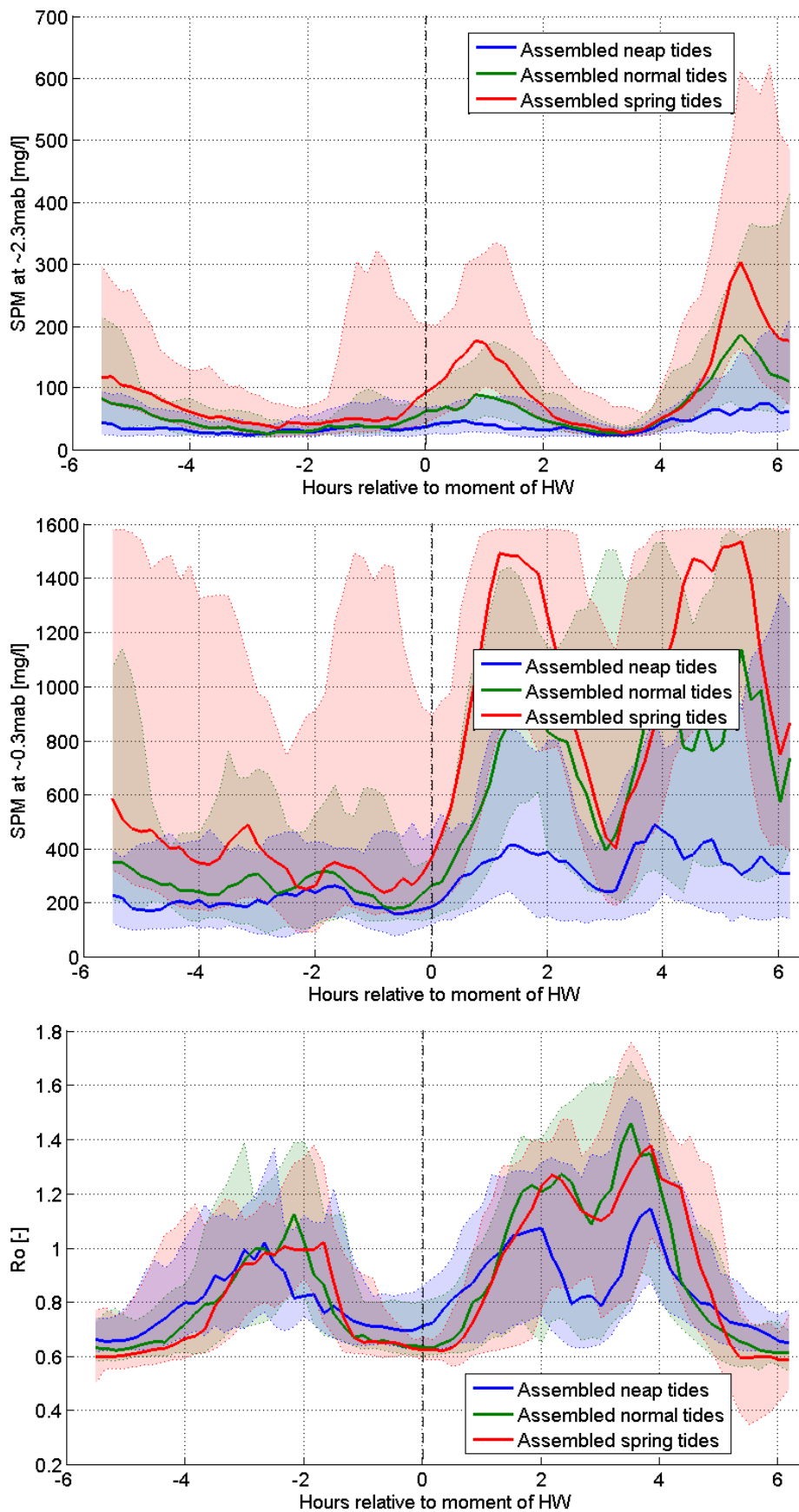


Figure 628 - Tripod deployment MOW1 (OBS): 25/03/2010 - 20/05/2010 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.18 Tripod deployment MOW1 (OBS): May 2010

Figure 629 - Tripod deployment MOW1 (OBS): May 2010, SPM [mg/l]

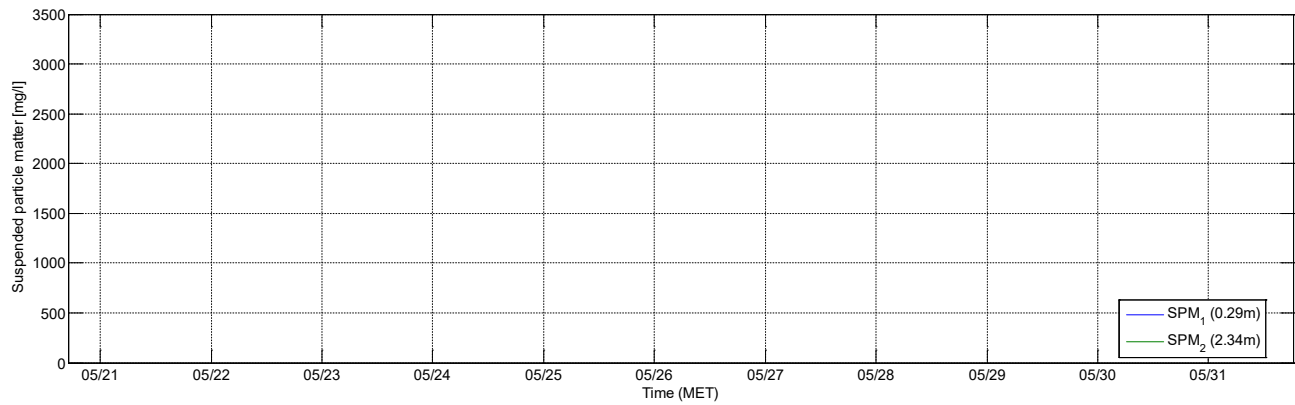


Figure 630 - Tripod deployment MOW1 (OBS): May 2010, Depth [m]

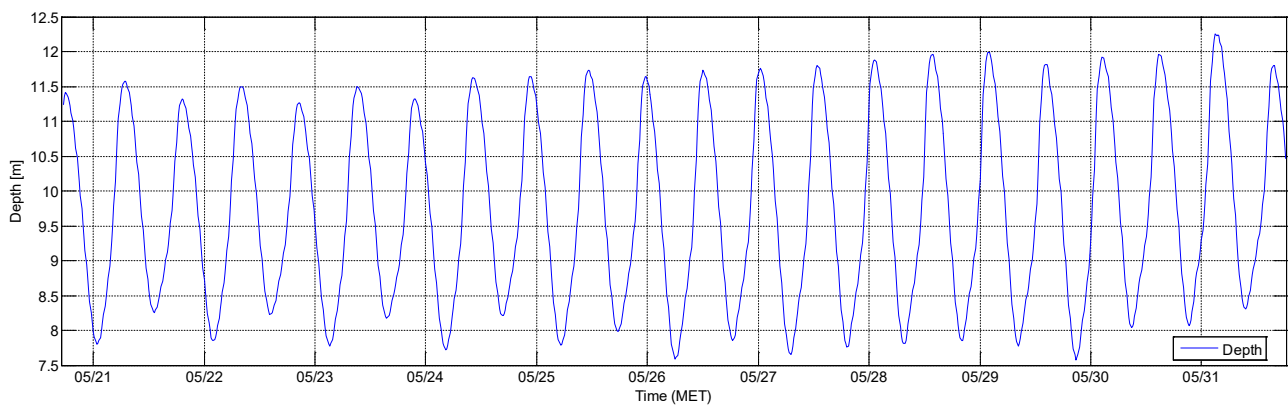
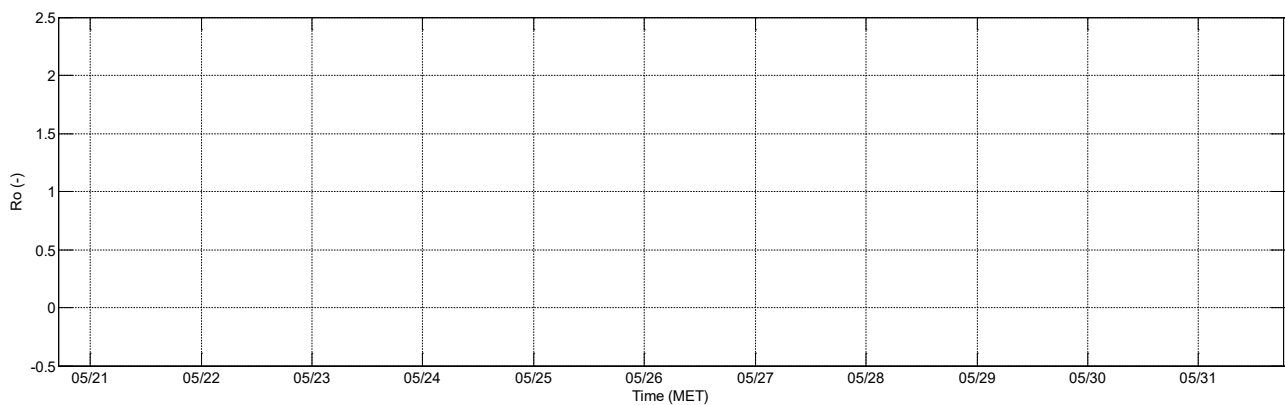


Figure 631 - Tripod deployment MOW1 (OBS): May 2010, Ro [-]



F.2.19 Tripod deployment MOW1 (OBS): May - July 2010

Figure 632 - Tripod deployment MOW1 (OBS): May - July 2010, SPM [mg/l]

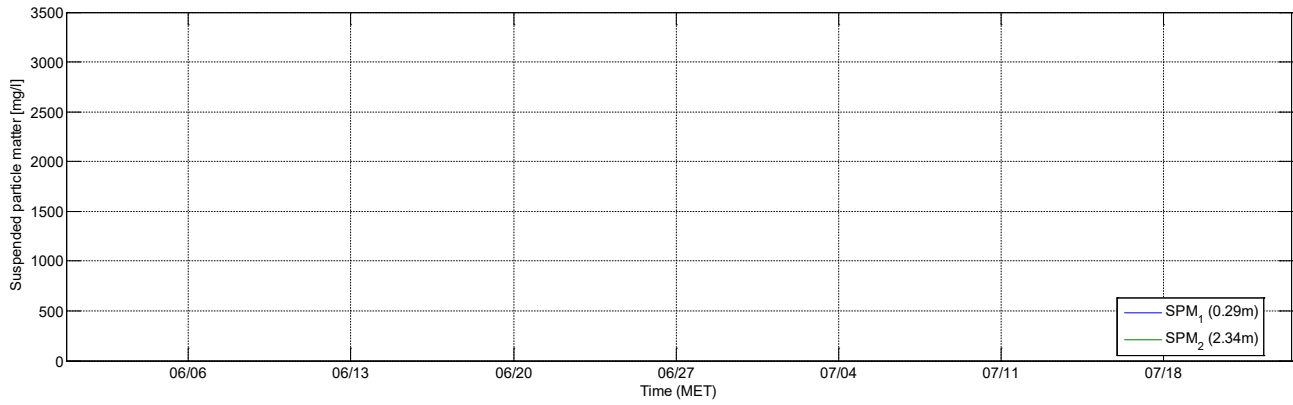


Figure 633 - Tripod deployment MOW1 (OBS): May - July 2010, Depth [m]

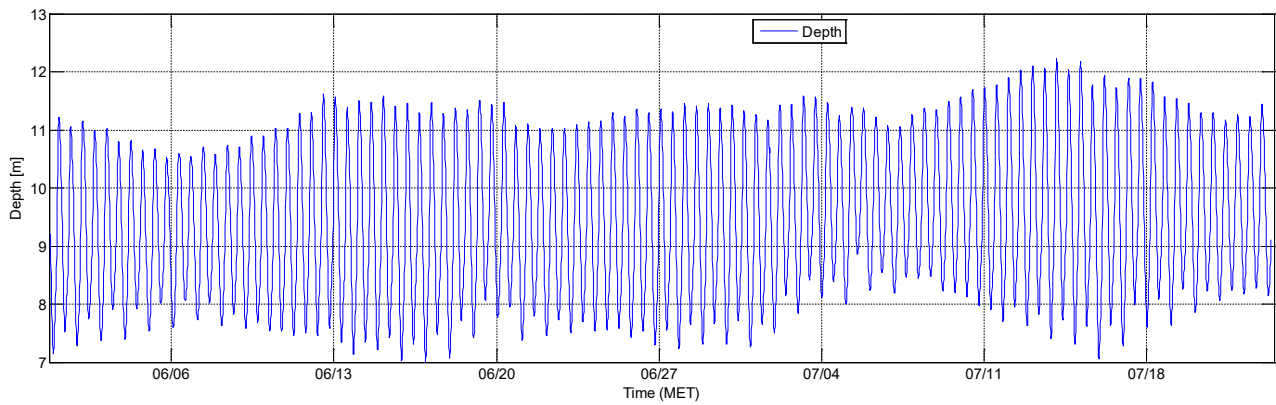
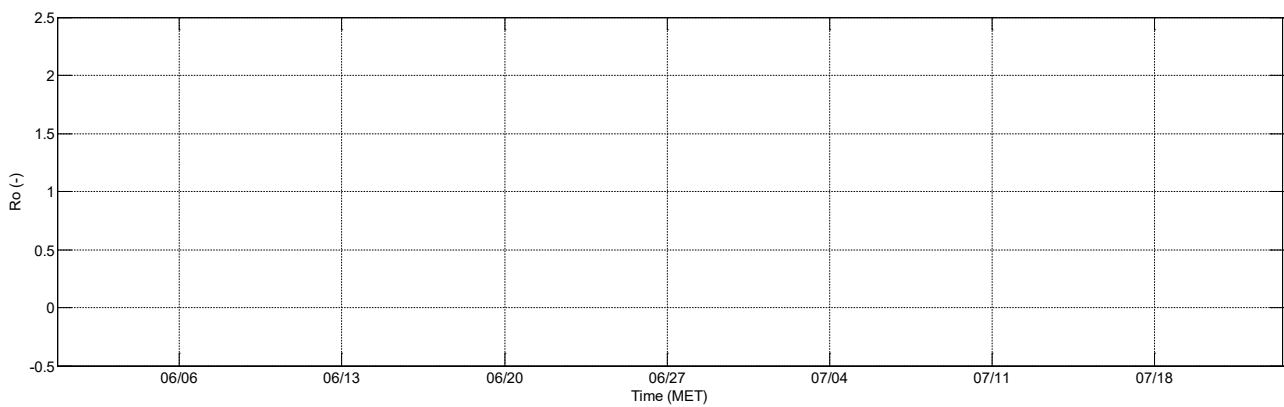


Figure 634 - Tripod deployment MOW1 (OBS): May - July 2010, Ro [-]



F.2.20 Tripod deployment MOW1 (OBS): September - October 2010

Figure 635 - Tripod deployment MOW1 (OBS): September - October 2010, SPM [mg/l]

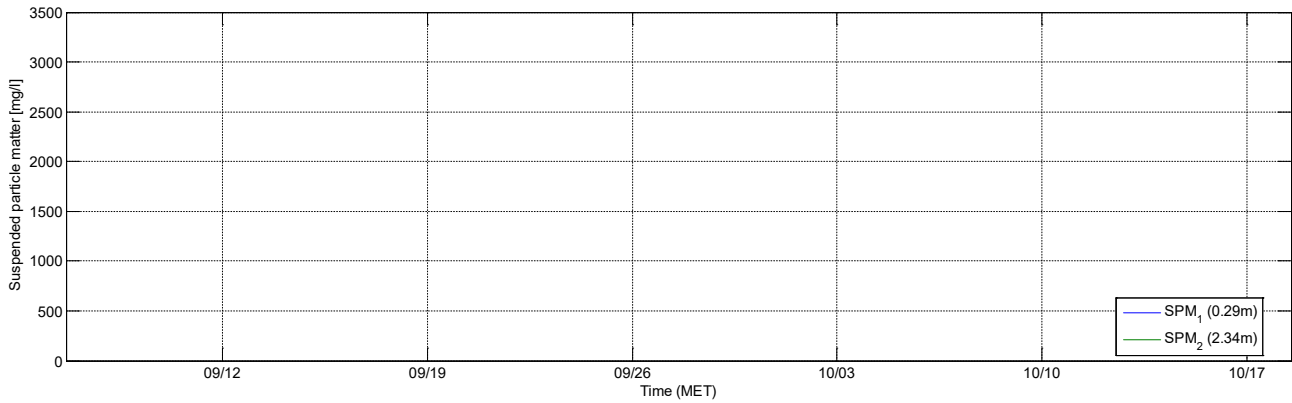


Figure 636 - Tripod deployment MOW1 (OBS): September - October 2010, Depth [m]

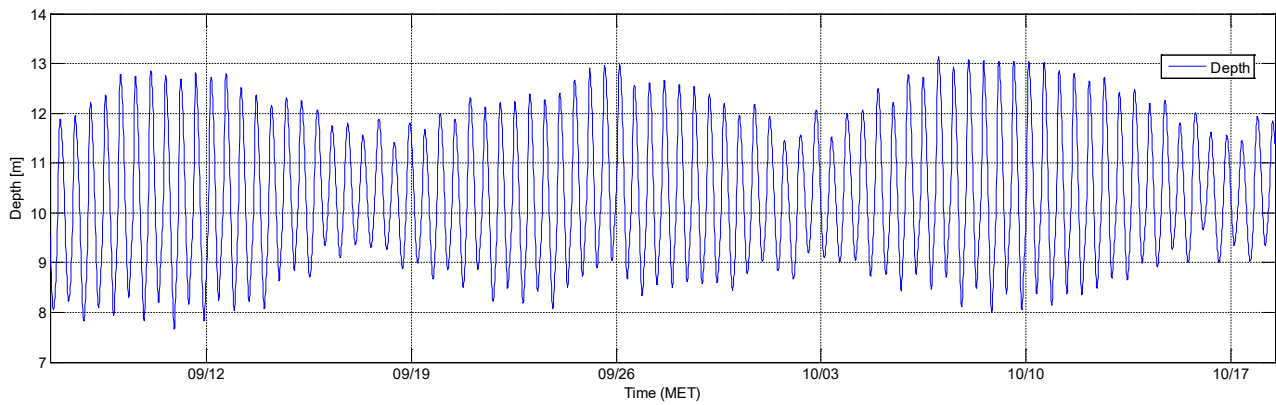
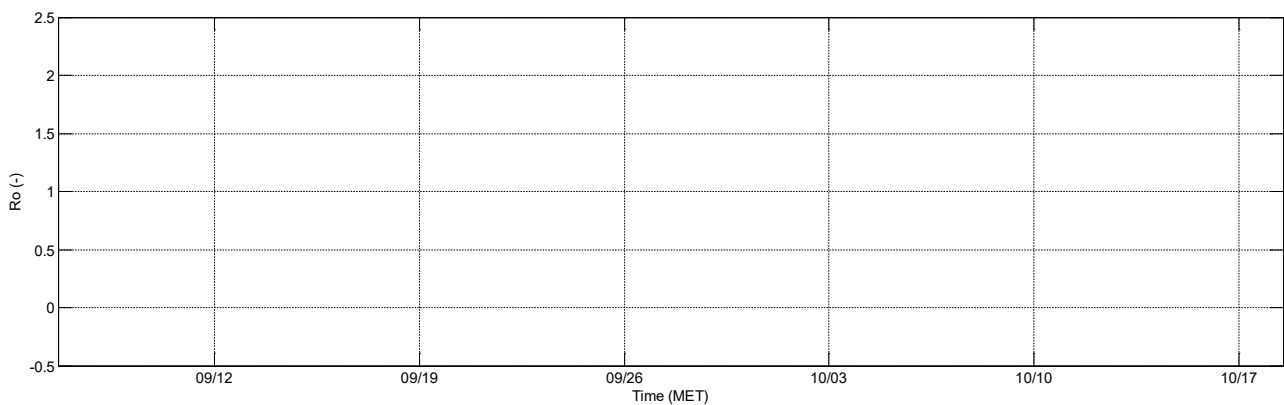


Figure 637 - Tripod deployment MOW1 (OBS): September - October 2010, Ro [-]



F.2.21 Tripod deployment MOW1 (OBS): October - November 2010

Figure 638 - Tripod deployment MOW1 (OBS): October - November 2010, SPM [mg/l]

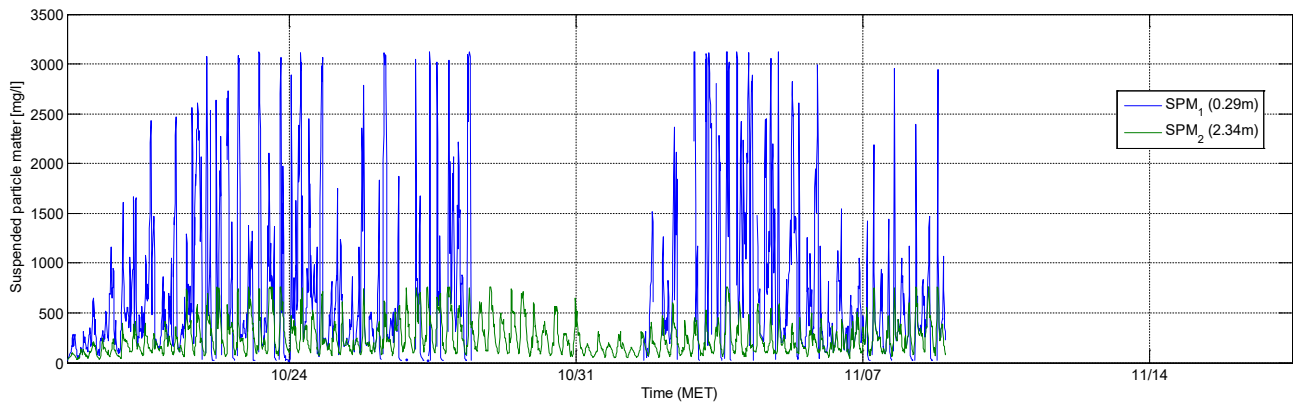


Figure 639 - Tripod deployment MOW1 (OBS): October - November 2010, Depth [m]

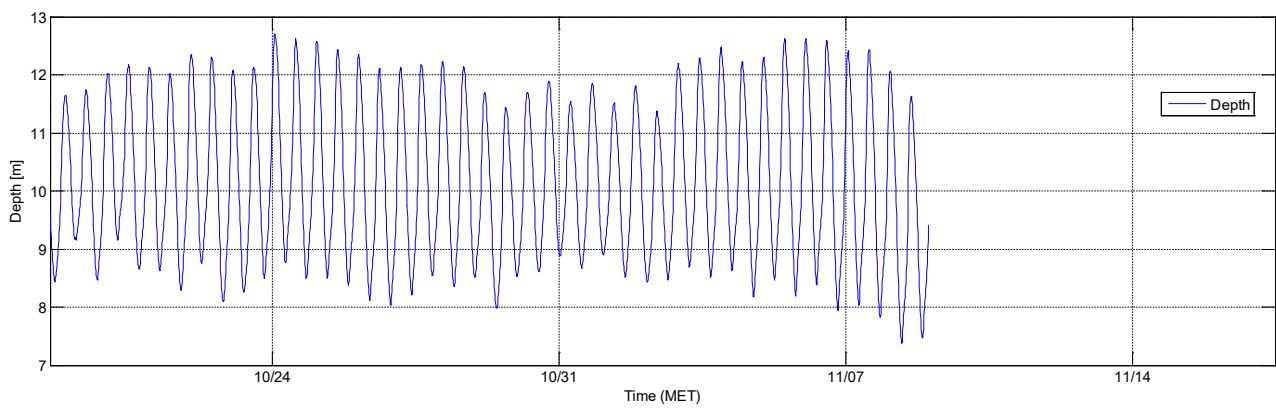


Figure 640 - Tripod deployment MOW1 (OBS): October - November 2010, Ro [-]

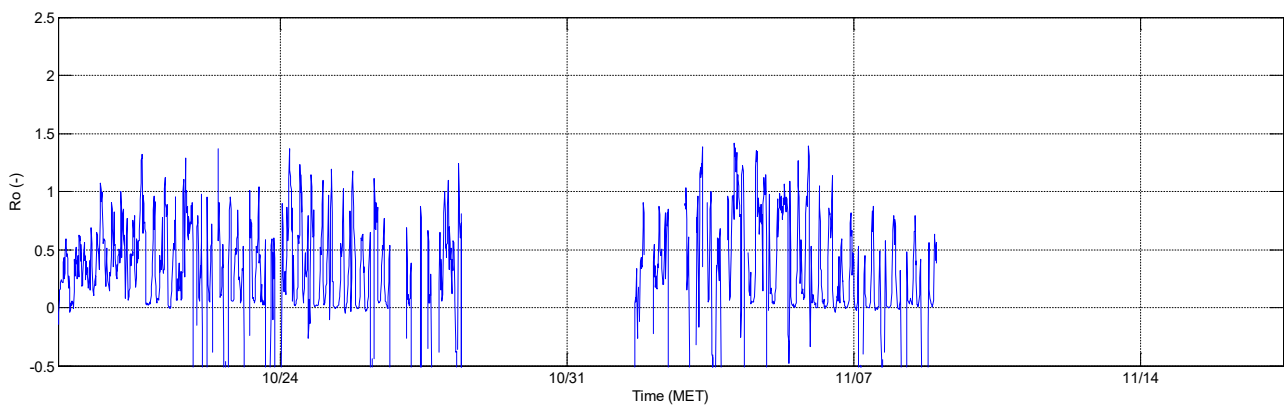
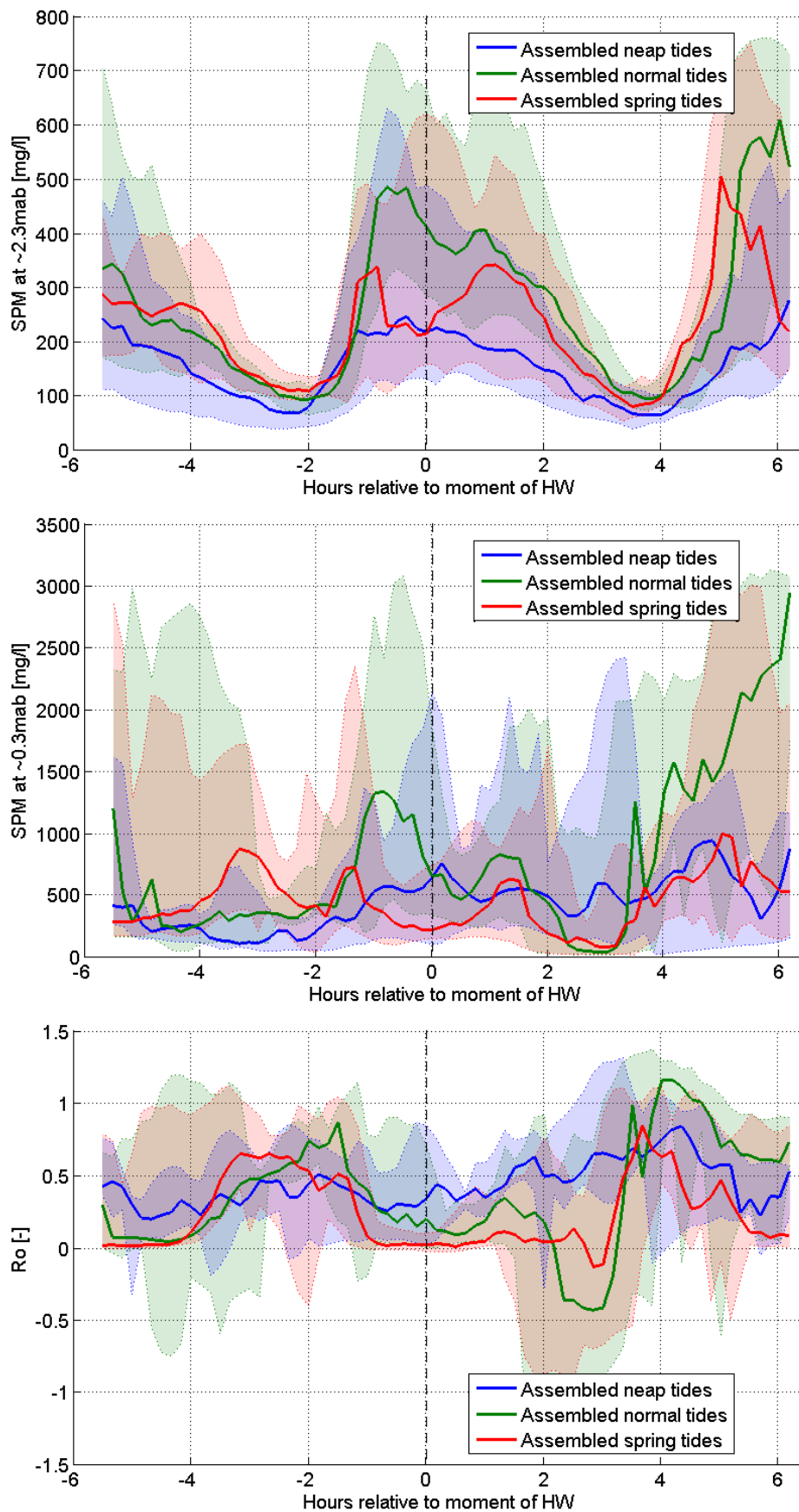


Figure 641 - Tripod deployment MOW1 (OBS): 18/10/2010 - 17/11/2010 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.22 Tripod deployment MOW1 (OBS): November - December 2010

Figure 642 - Tripod deployment MOW1 (OBS): November - December 2010, SPM [mg/l]

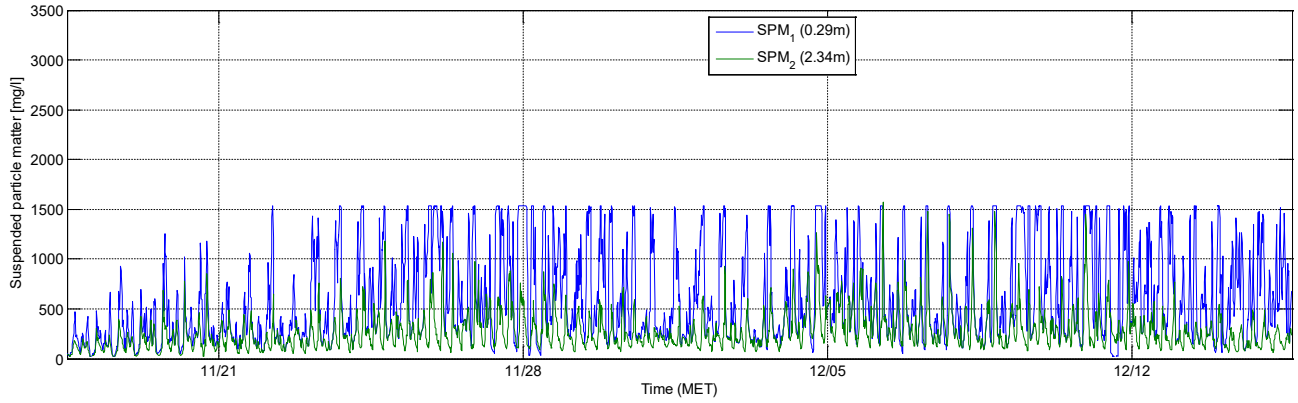


Figure 643 - Tripod deployment MOW1 (OBS): November - December 2010, Depth [m]

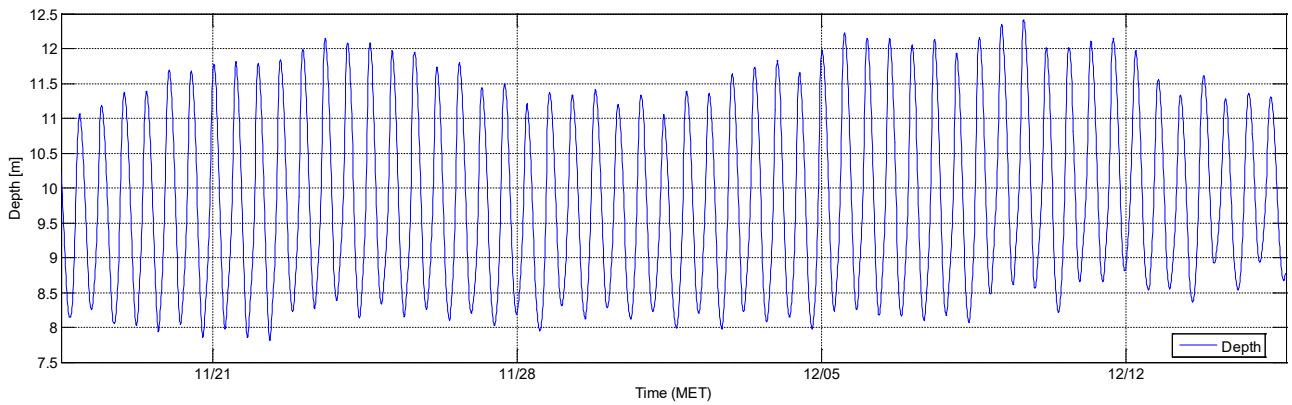


Figure 644 - Tripod deployment MOW1 (OBS): November - December 2010, Ro [-]

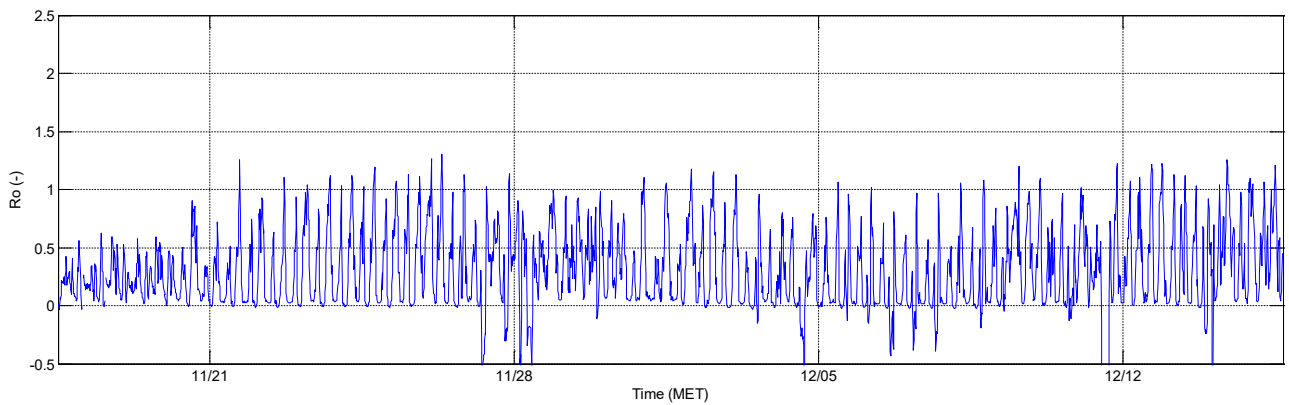
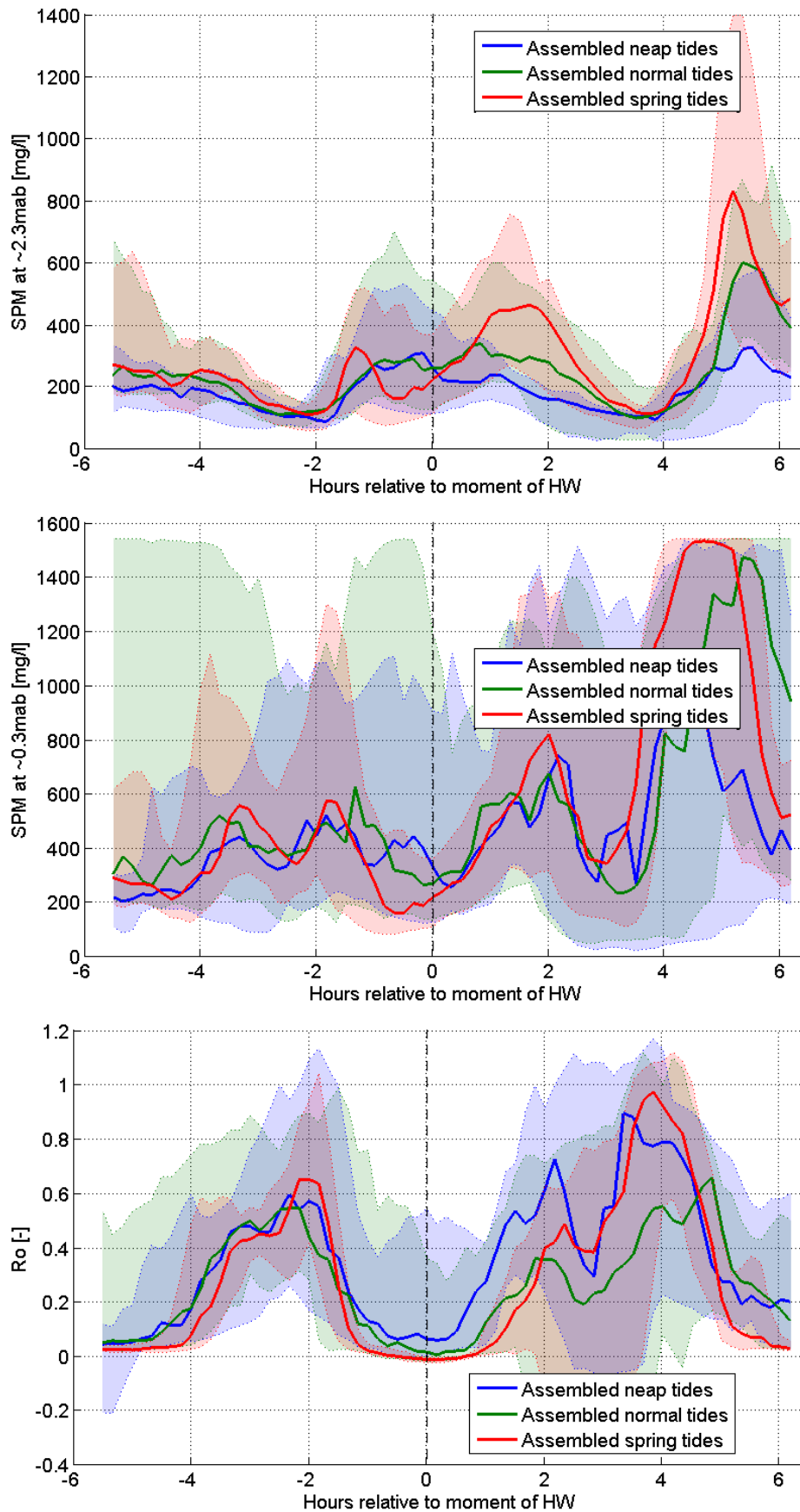


Figure 645 - Tripod deployment MOW1 (OBS): 17/11/2010 - 15/12/2010 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.23 Tripod deployment MOW1 (OBS): January - March 2011

Figure 646 - Tripod deployment MOW1 (OBS): January - March 2011, SPM [mg/l]

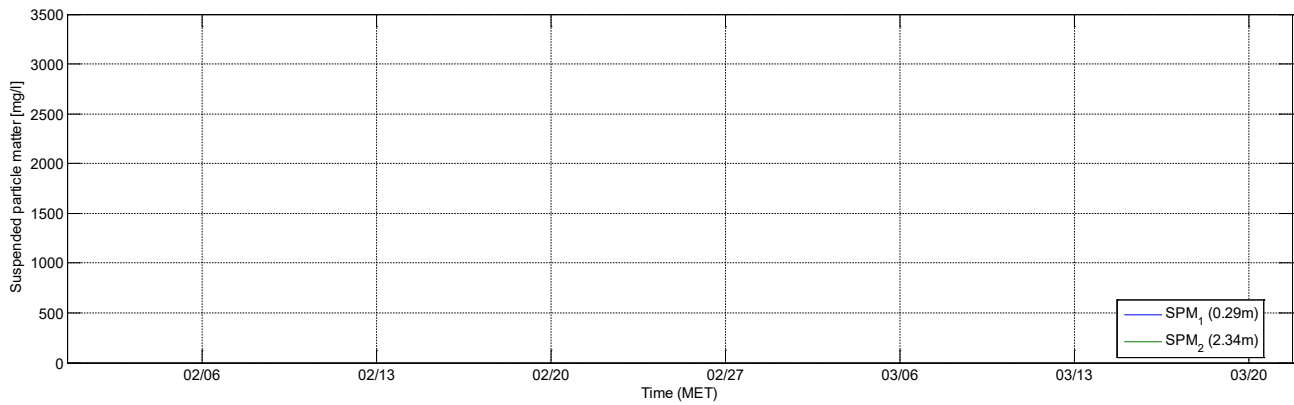


Figure 647 - Tripod deployment MOW1 (OBS): January - March 2011, Depth [m]

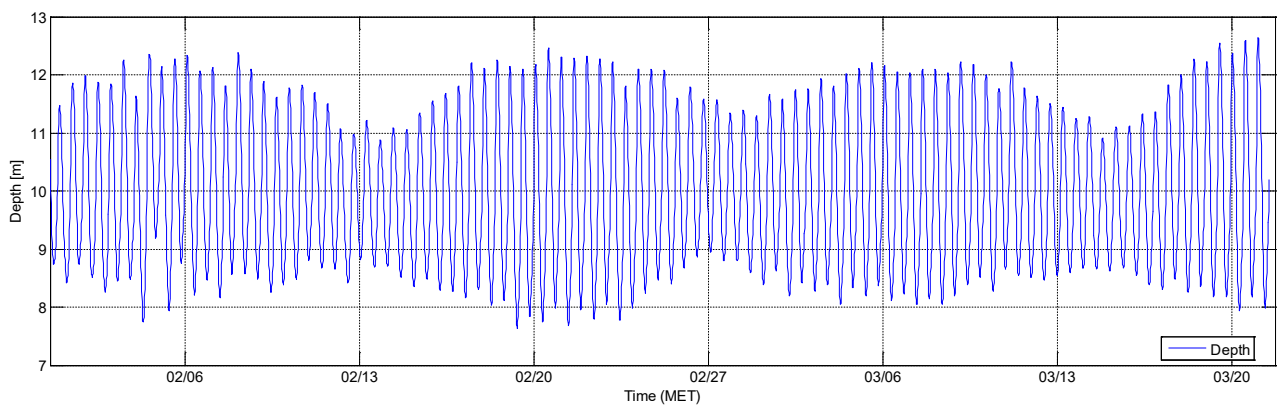
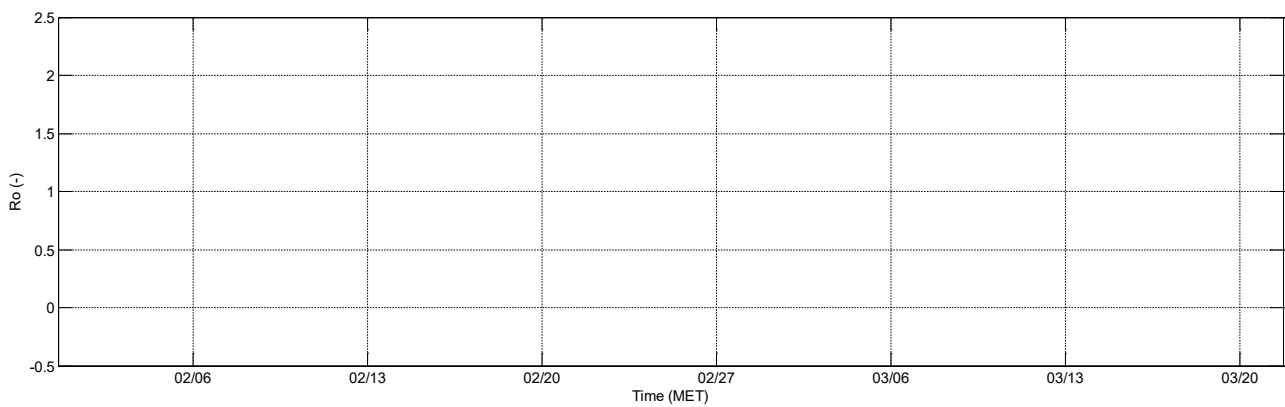


Figure 648 - Tripod deployment MOW1 (OBS): January - March 2011, Ro [-]



F.2.24 Tripod deployment MOW1 (OBS): March 2011

Figure 649 - Tripod deployment MOW1 (OBS): March 2011, SPM [mg/l]

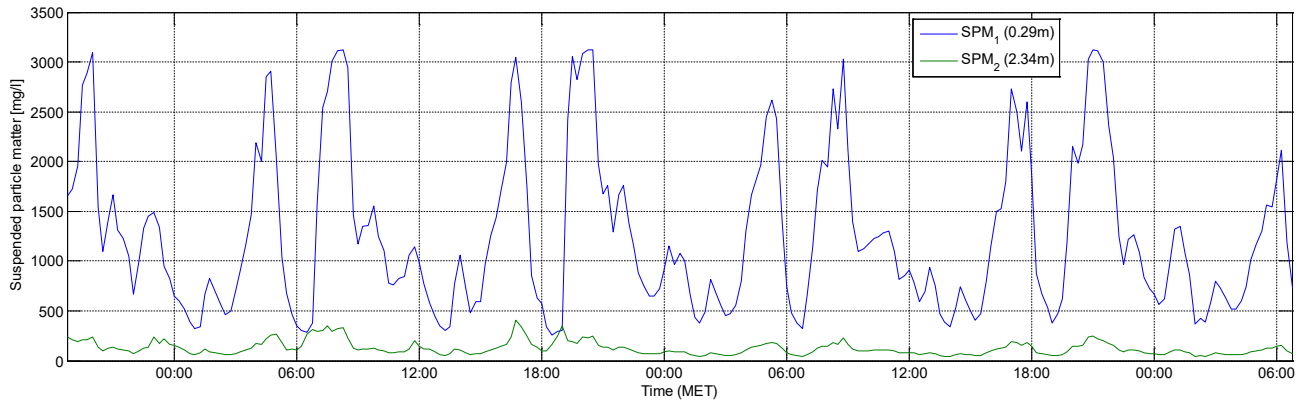


Figure 650 - Tripod deployment MOW1 (OBS): March 2011, Depth [m]

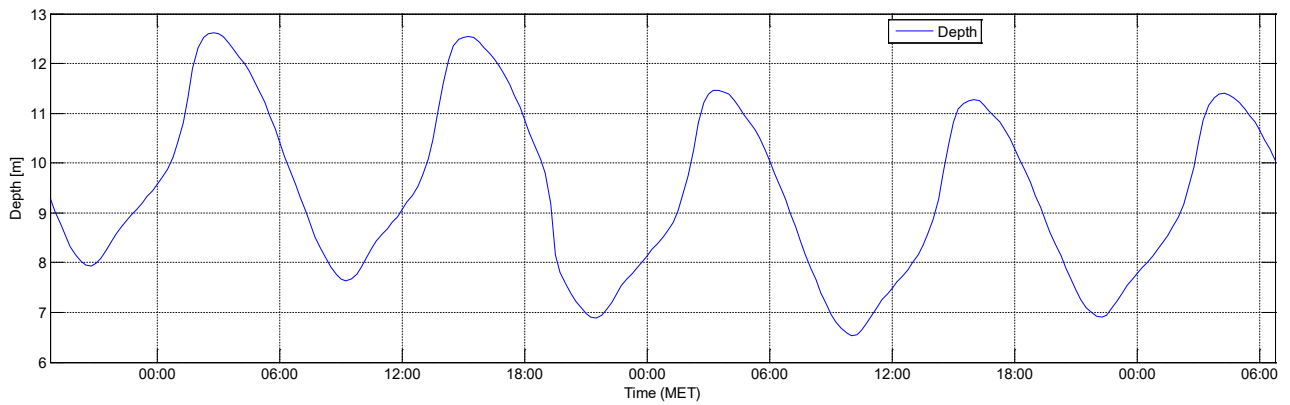
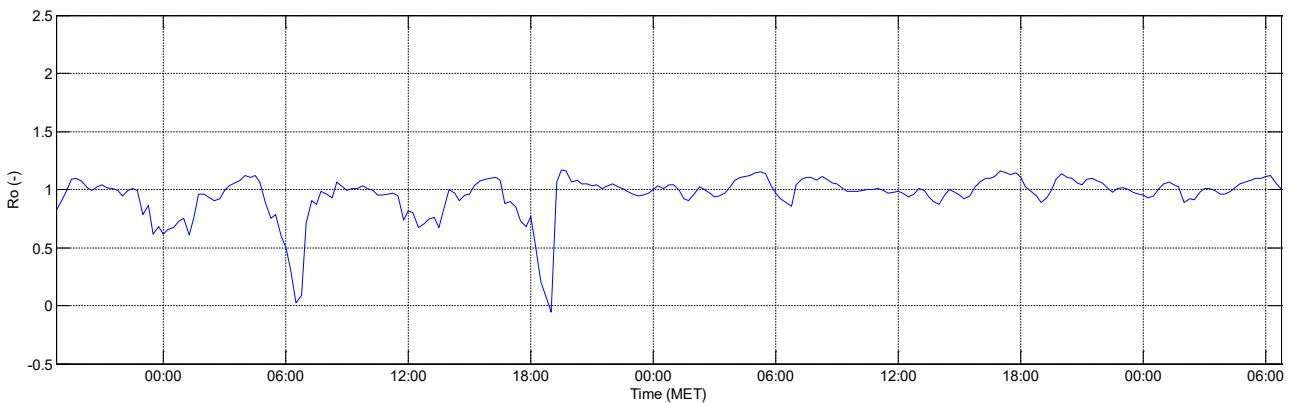


Figure 651 - Tripod deployment MOW1 (OBS): March 2011, Ro [-]



F.2.25 Tripod deployment MOW1 (OBS): March - April 2011

Figure 652 - Tripod deployment MOW1 (OBS): March - April 2011, SPM [mg/l]

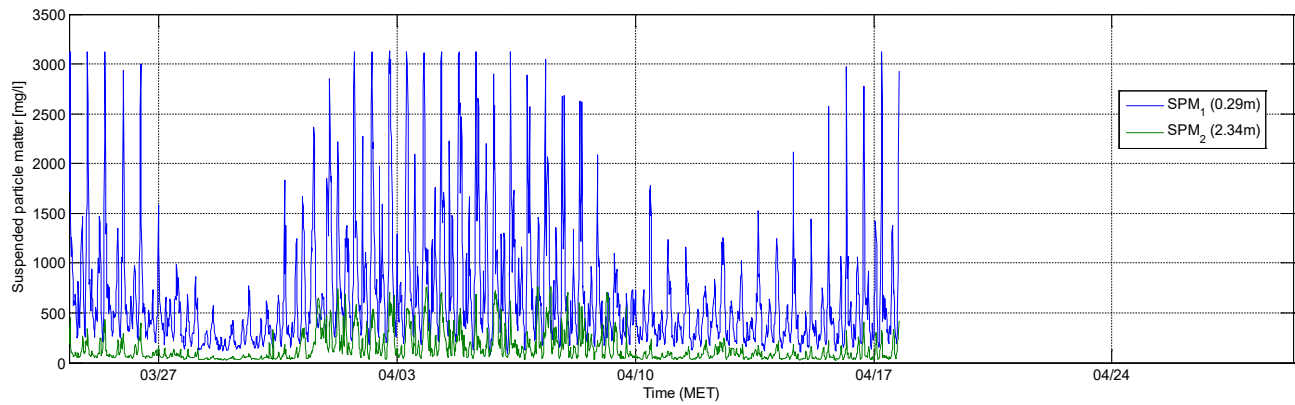


Figure 653 - Tripod deployment MOW1 (OBS): March - April 2011, Depth [m]

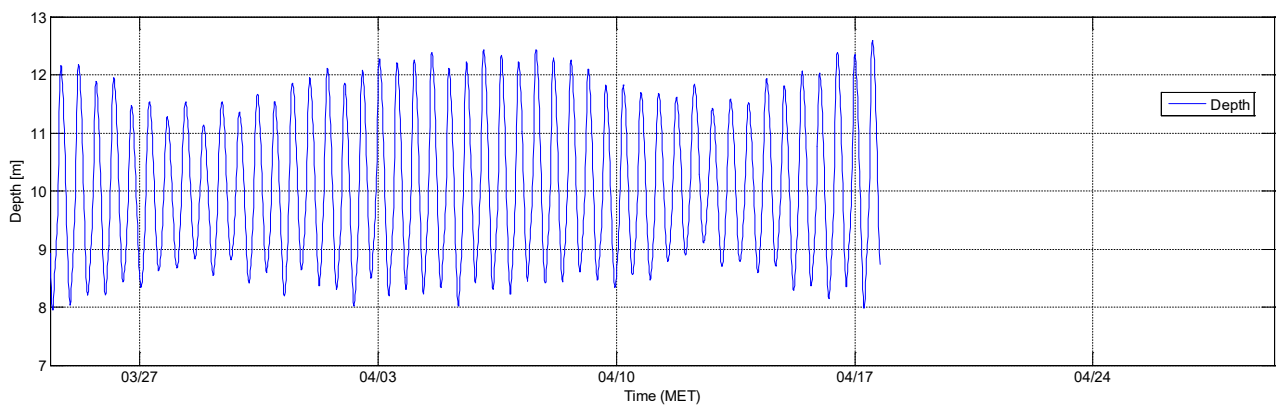


Figure 654 - Tripod deployment MOW1 (OBS): March - April 2011, Ro [-]

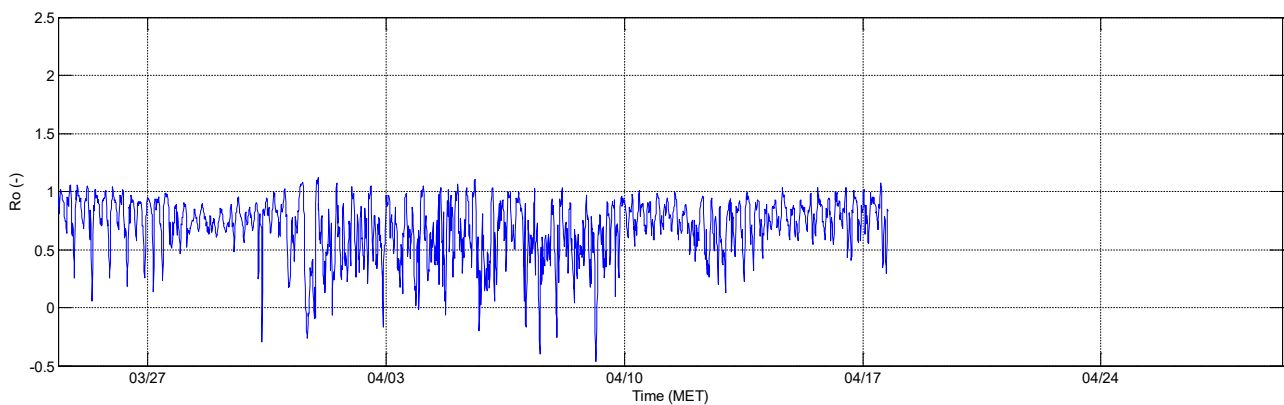
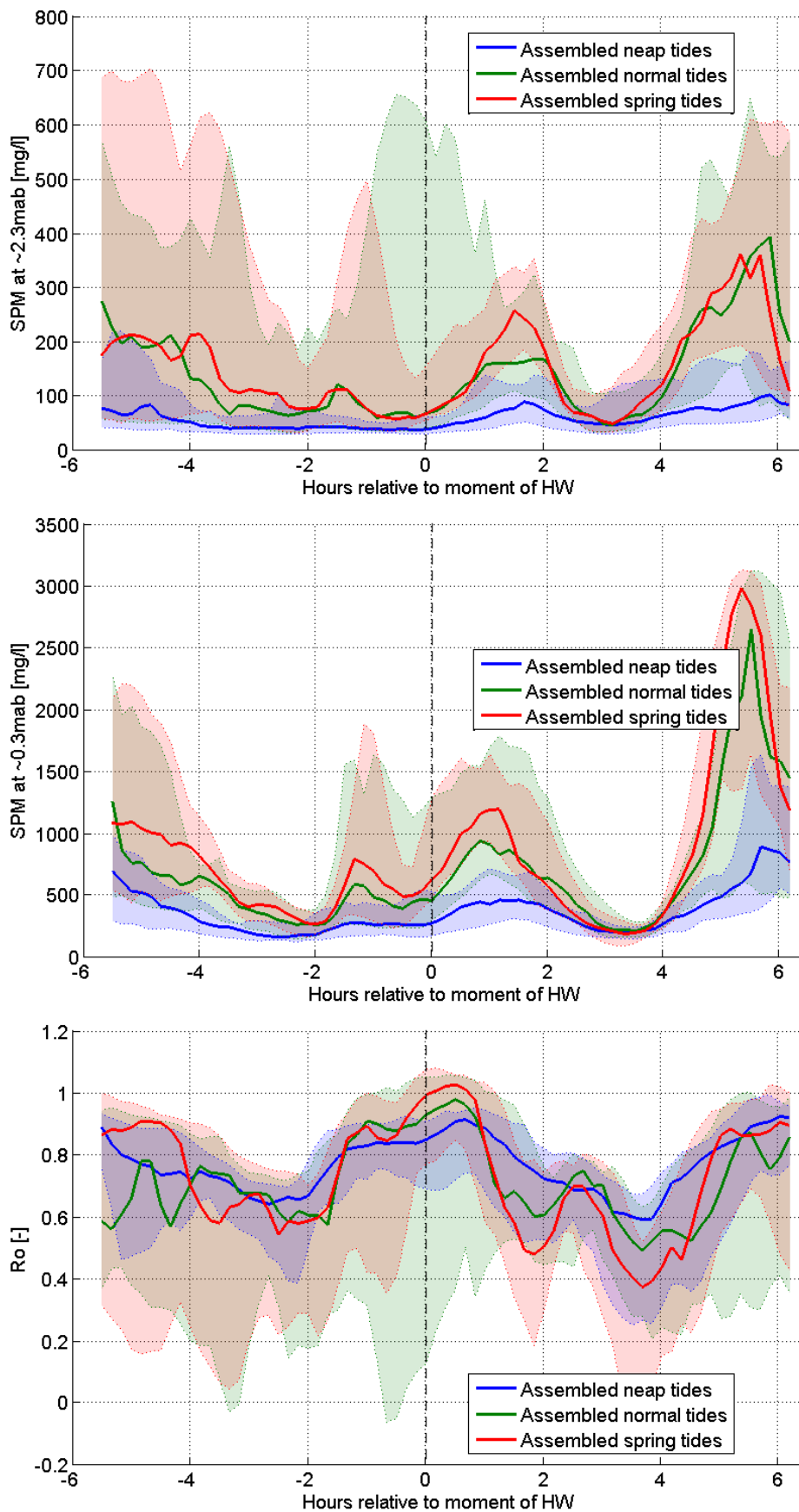


Figure 655 - Tripod deployment MOW1 (OBS): 24/03/2011 - 29/04/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.26 Tripod deployment MOW1 (OBS): April - May 2011

Figure 656 - Tripod deployment MOW1 (OBS): April - May 2011, SPM [mg/l]

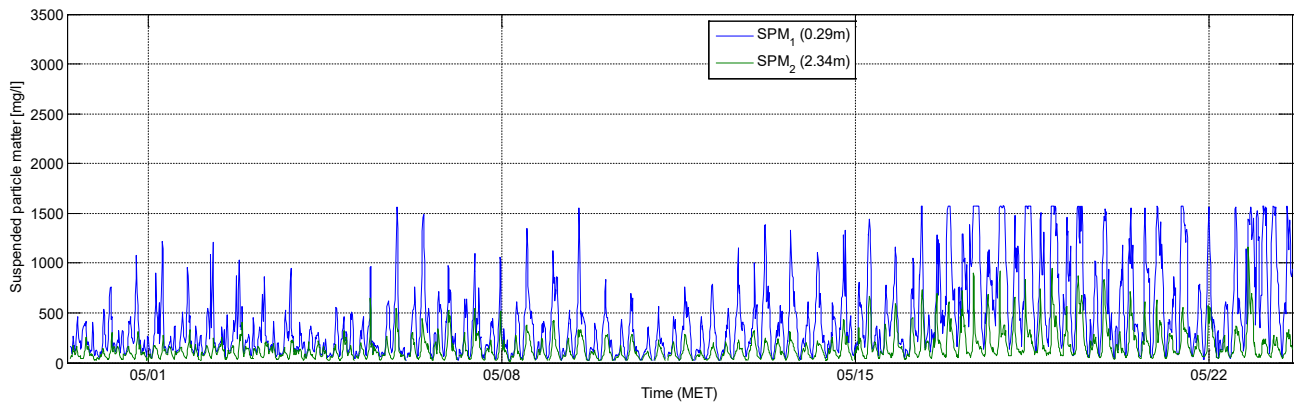


Figure 657 - Tripod deployment MOW1 (OBS): April - May 2011, Depth [m]

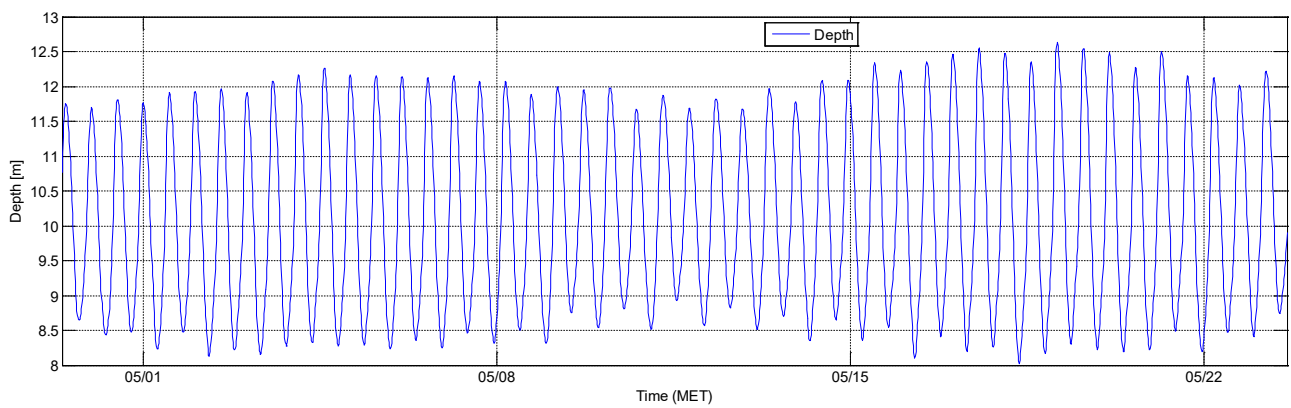


Figure 658 - Tripod deployment MOW1 (OBS): April - May 2011, Ro [-]

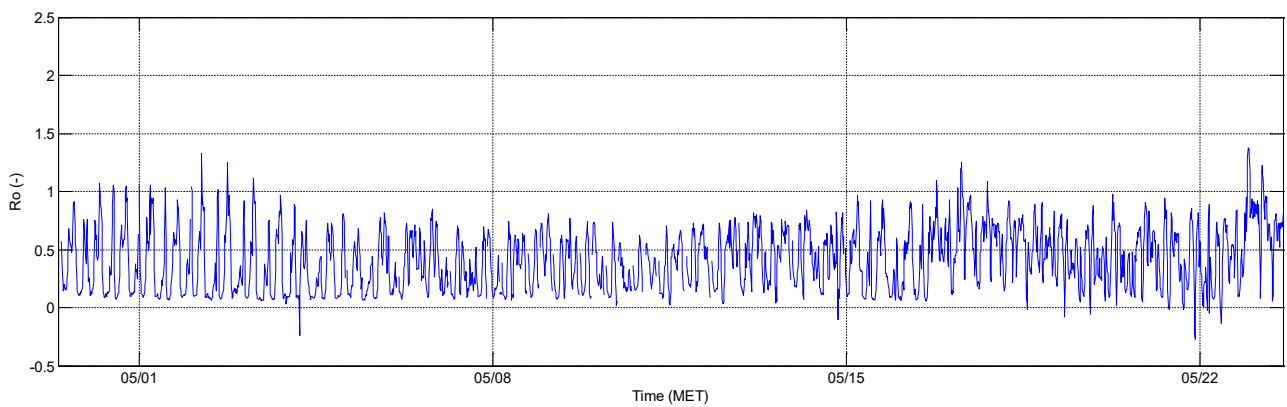
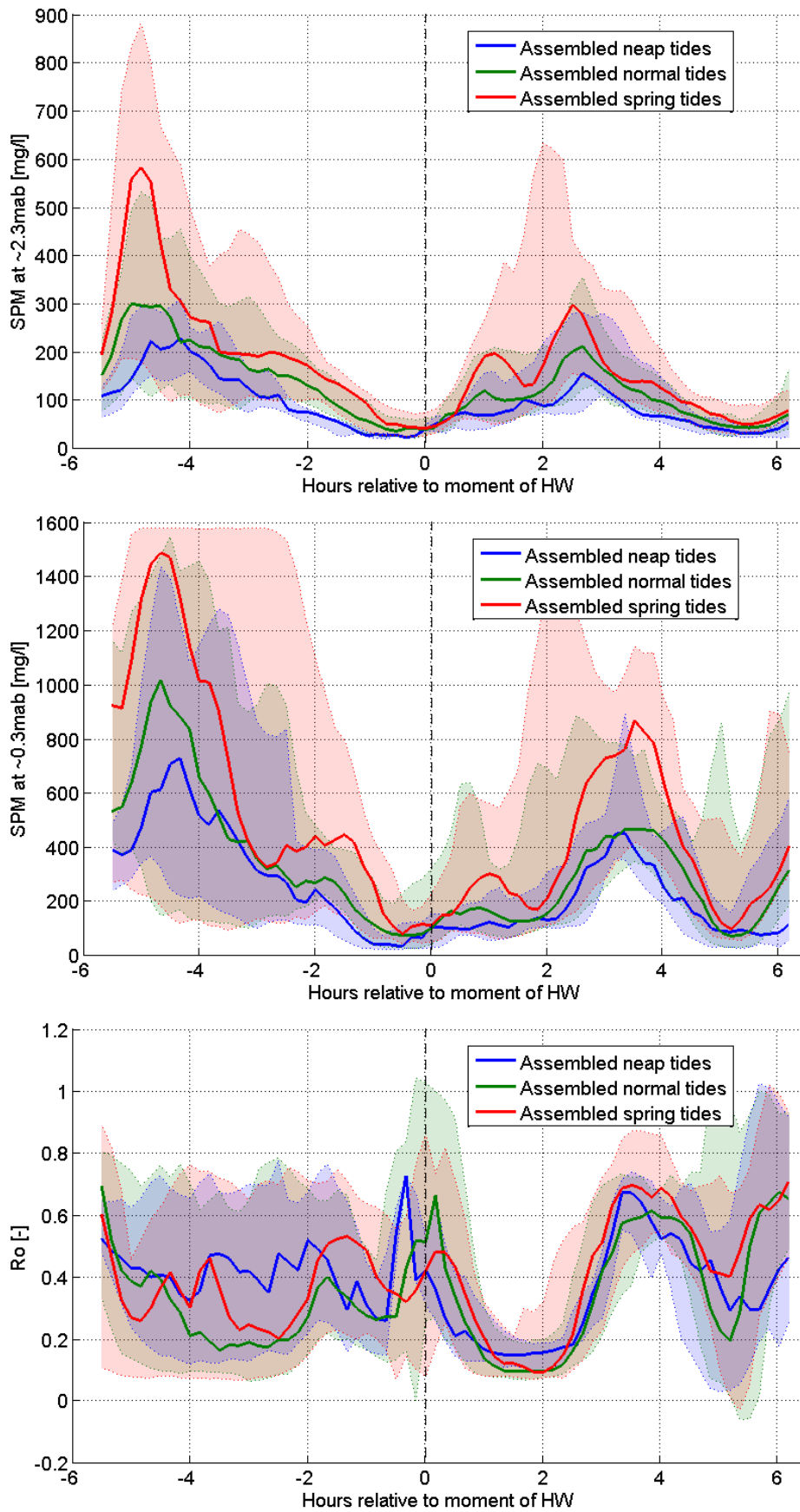


Figure 659 - Tripod deployment MOW1 (OBS): 29/04/2011 - 23/05/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.27 Tripod deployment MOW1 (OBS): May - July 2011

Figure 660 - Tripod deployment MOW1 (OBS): May - July 2011, SPM [mg/l]

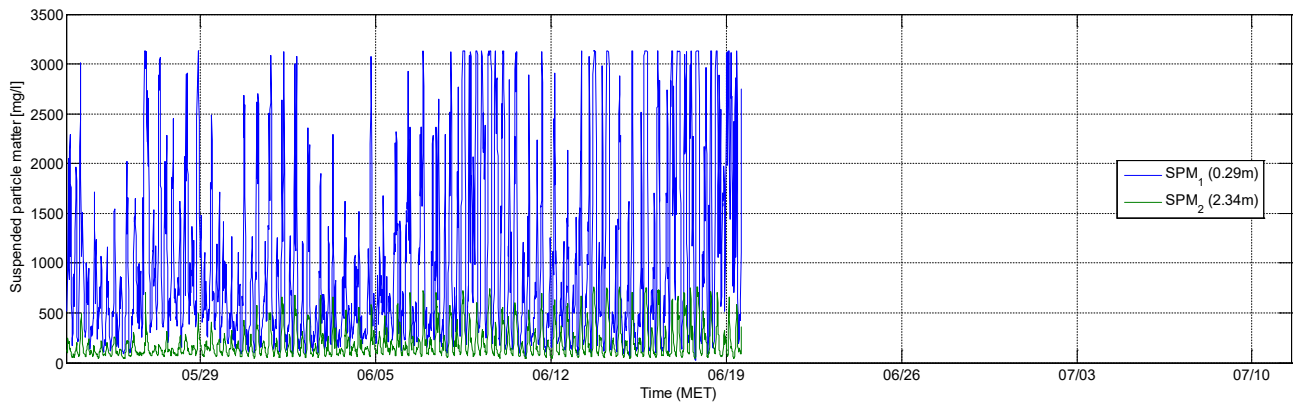


Figure 661 - Tripod deployment MOW1 (OBS): May - July 2011, Depth [m]

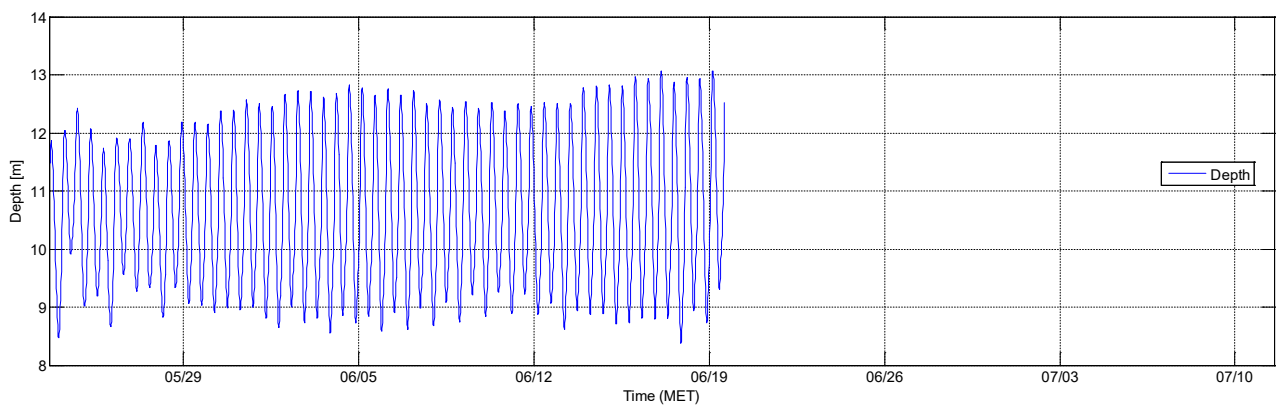


Figure 662 - Tripod deployment MOW1 (OBS): May - July 2011, Ro [-]

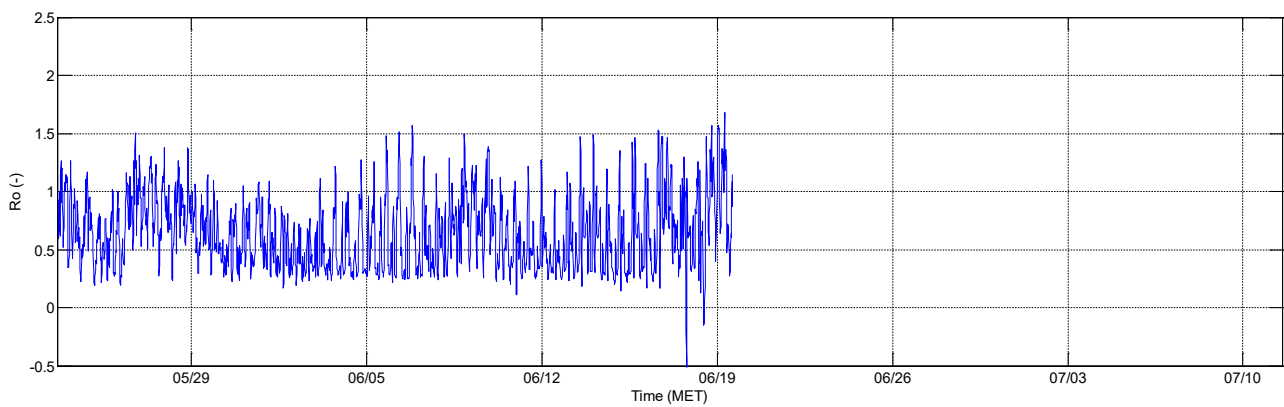
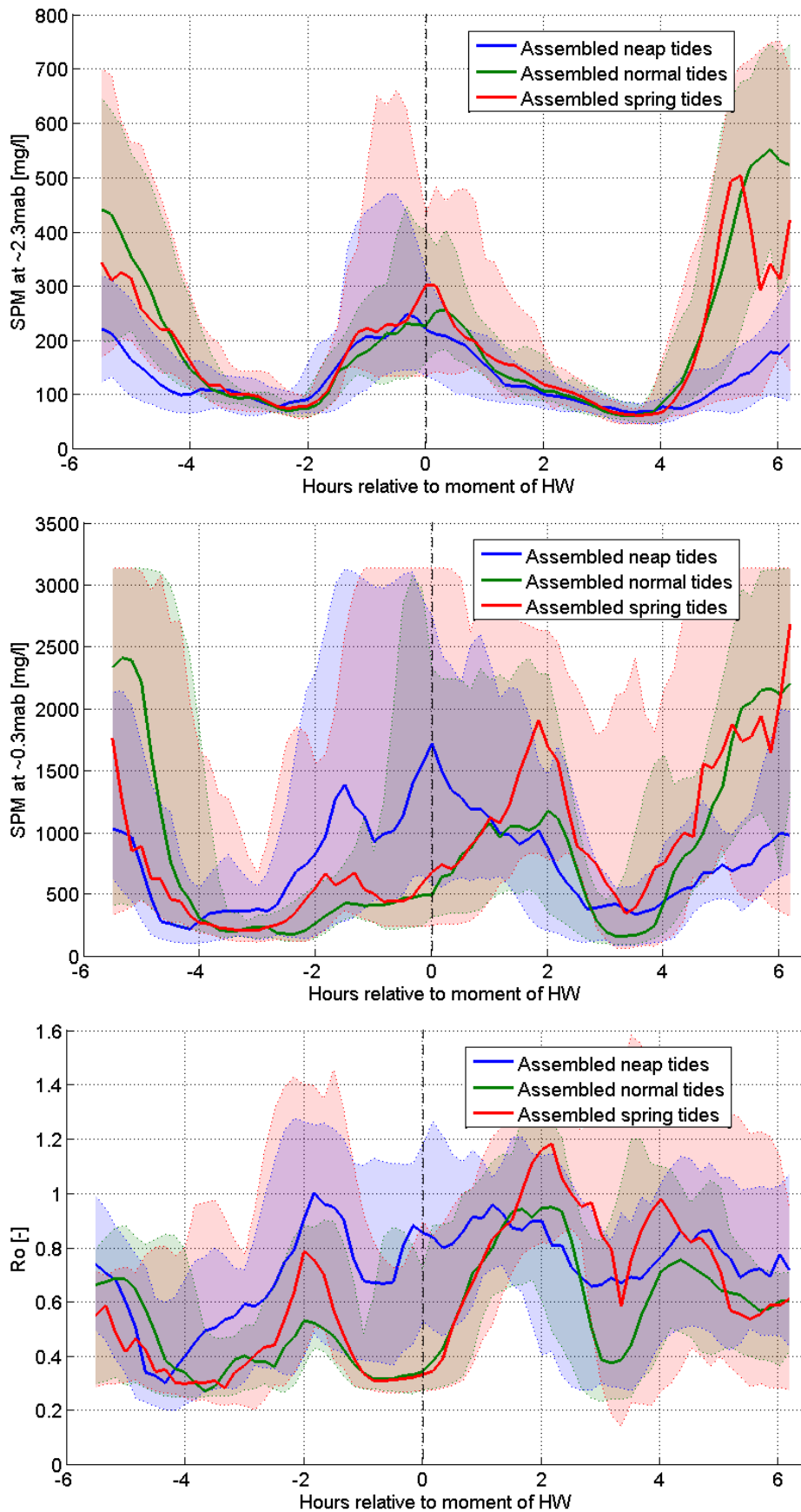


Figure 663 - Tripod deployment MOW1 (OBS): 23/05/2011 - 11/07/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.28 Tripod deployment MOW1 (OBS): July - August 2011

Figure 664 - Tripod deployment MOW1 (OBS): July - August 2011, SPM [mg/l]

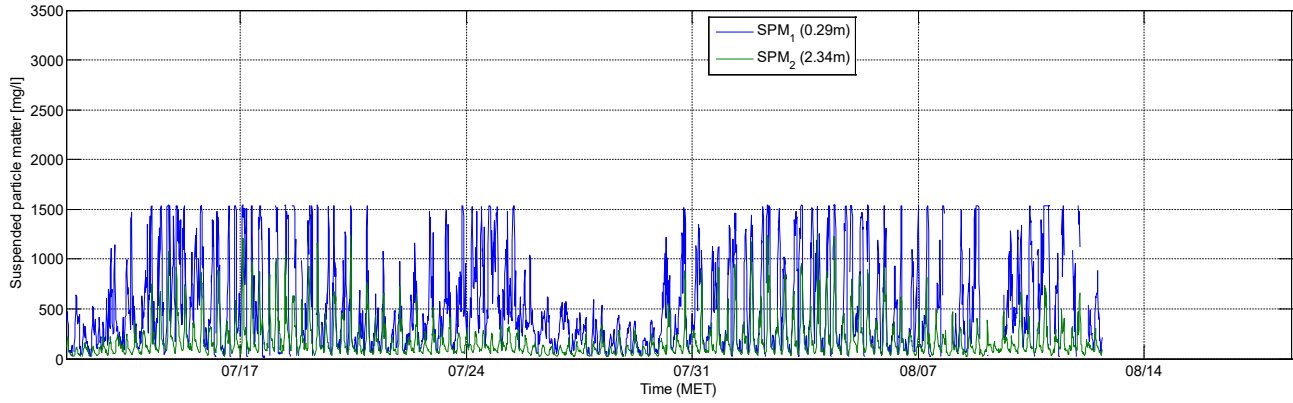


Figure 665 - Tripod deployment MOW1 (OBS): July - August 2011, Depth [m]

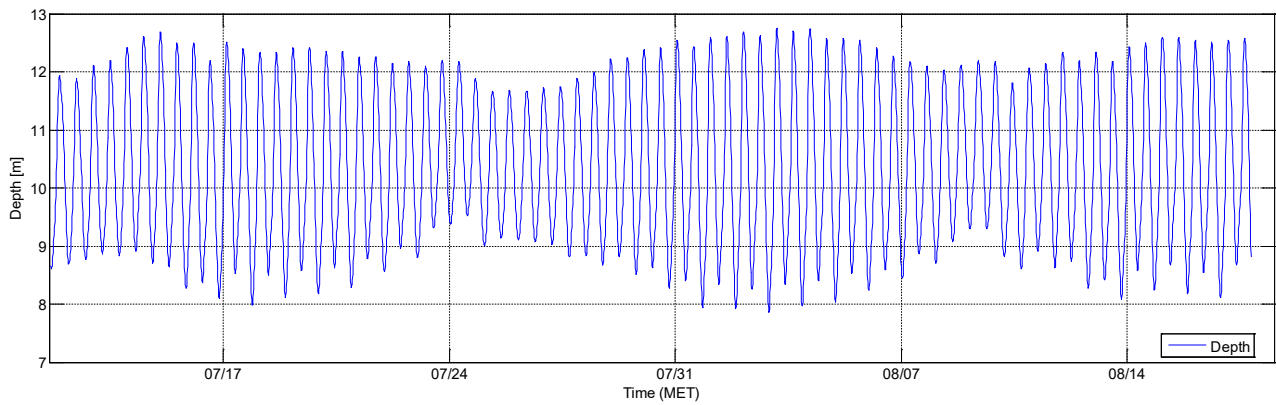


Figure 666 - Tripod deployment MOW1 (OBS): July - August 2011, Ro [-]

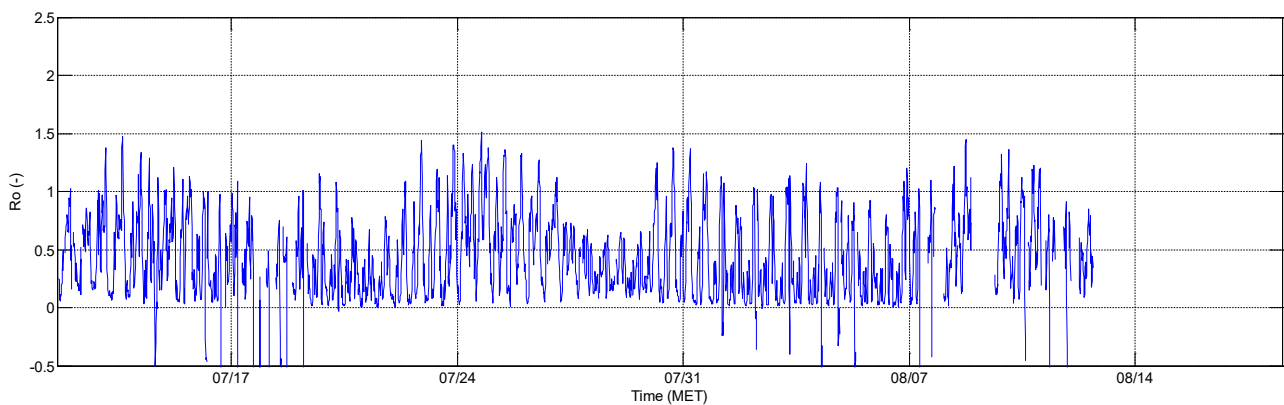
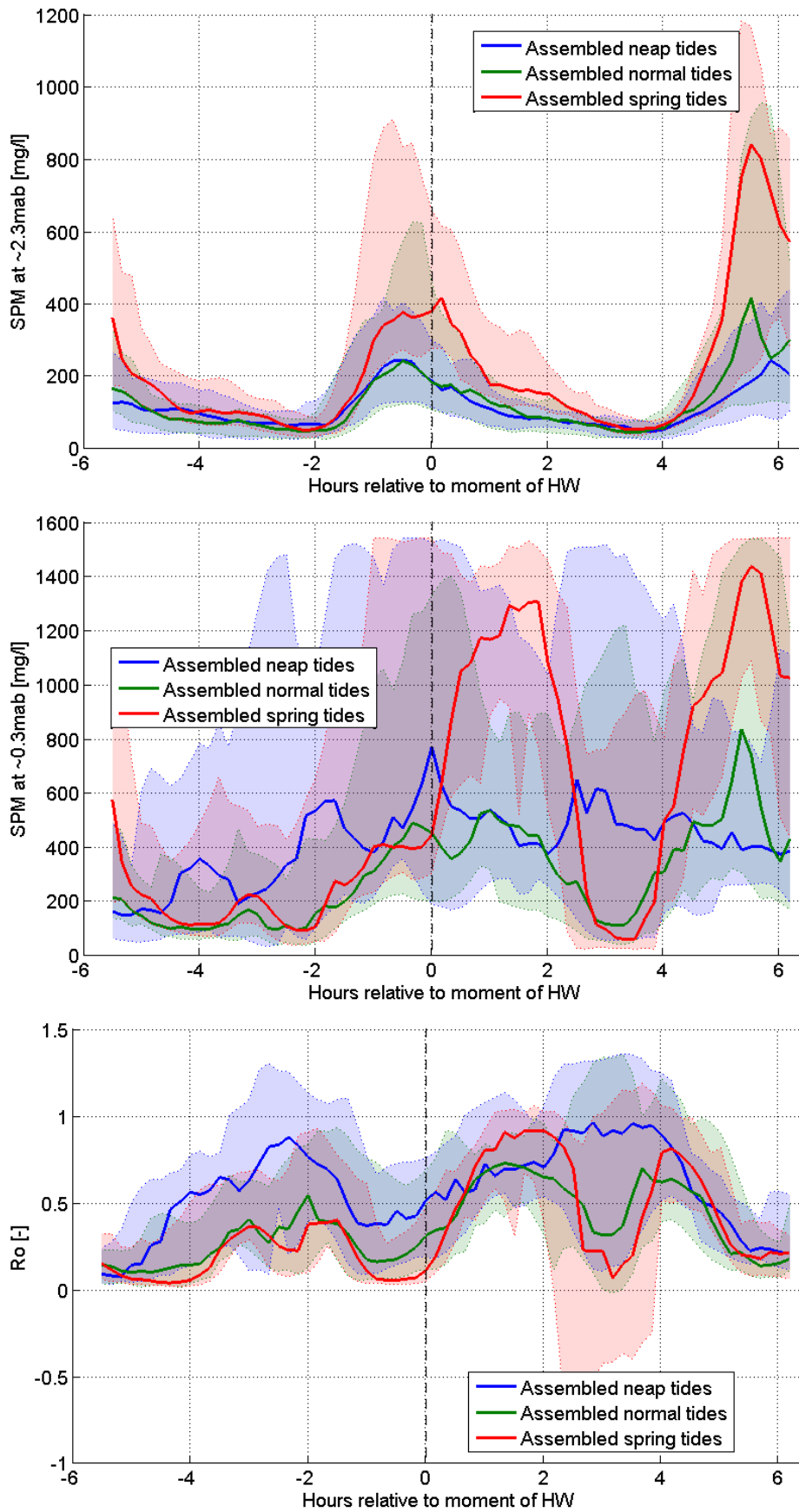


Figure 667 - Tripod deployment MOW1 (OBS): 11/07/2011 - 18/08/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.29 Tripod deployment MOW1 (OBS): August - September 2011

Figure 668 - Tripod deployment MOW1 (OBS): August - September 2011, SPM [mg/l]

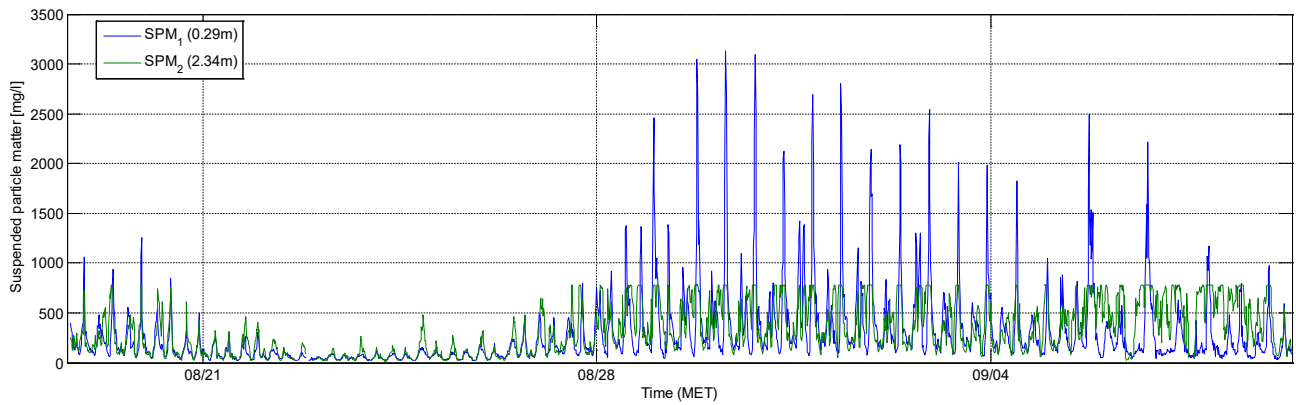


Figure 669 - Tripod deployment MOW1 (OBS): August - September 2011, Depth [m]

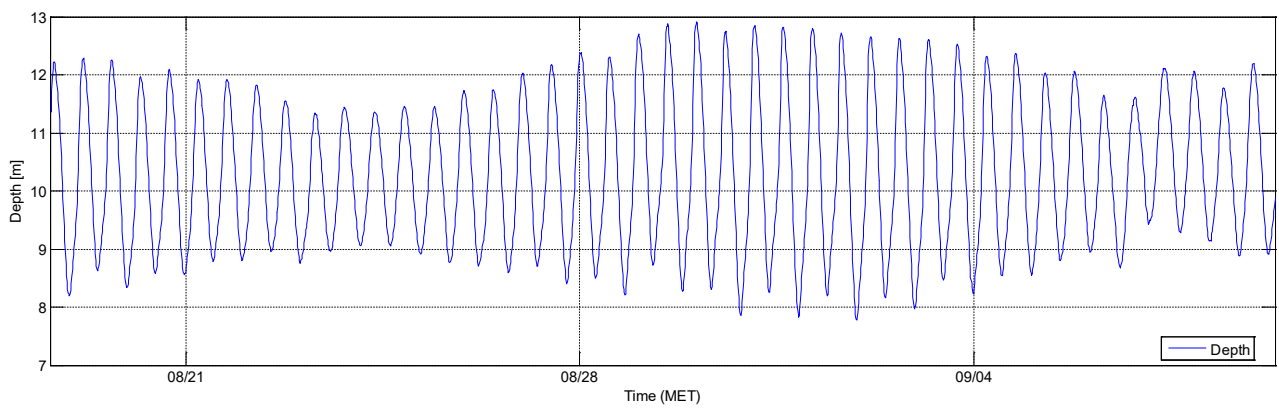


Figure 670 - Tripod deployment MOW1 (OBS): August - September 2011, Ro [-]

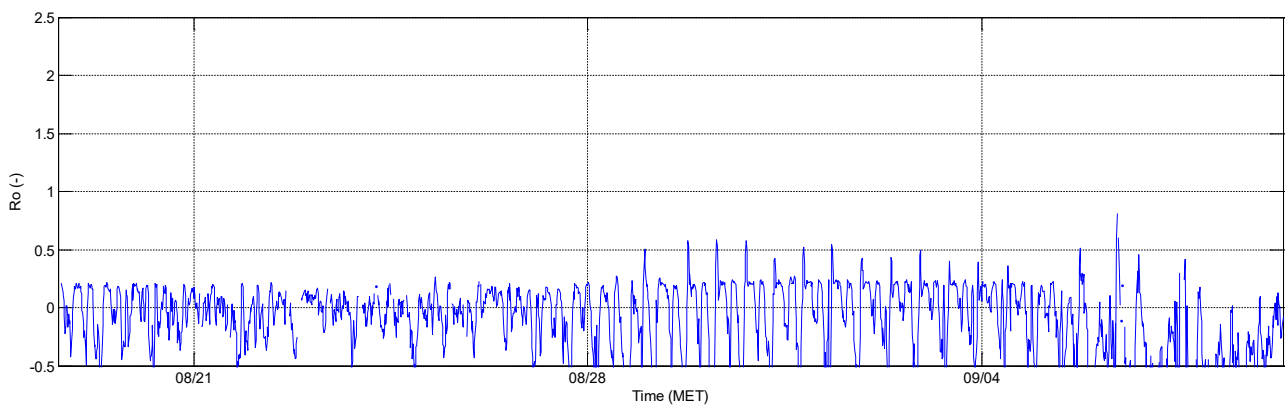
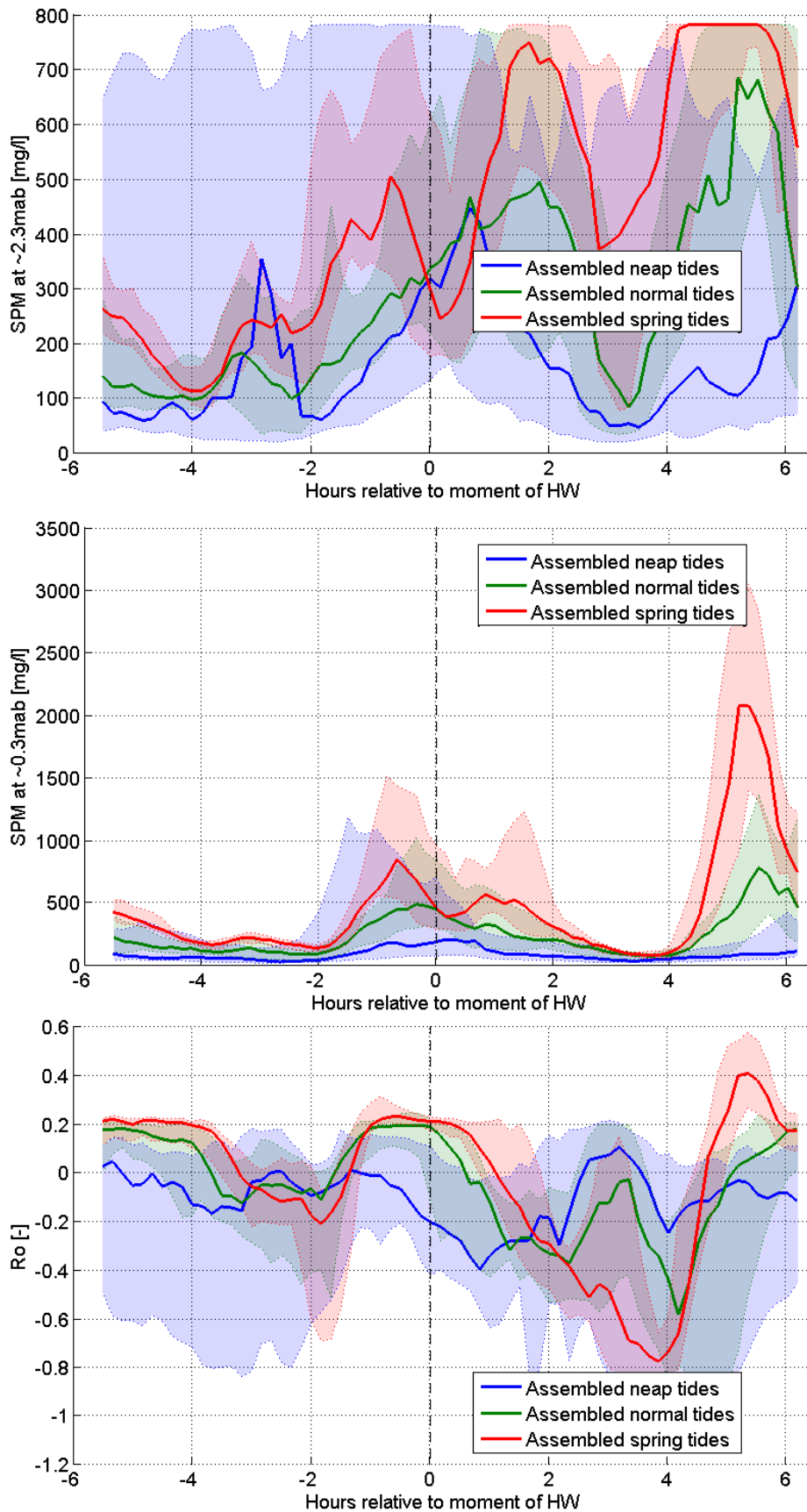


Figure 671 - Tripod deployment MOW1 (OBS): 18/08/2011 - 09/09/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.30 Tripod deployment MOW1 (OBS): September - October 2011

Figure 672 - Tripod deployment MOW1 (OBS): September - October 2011, SPM [mg/l]

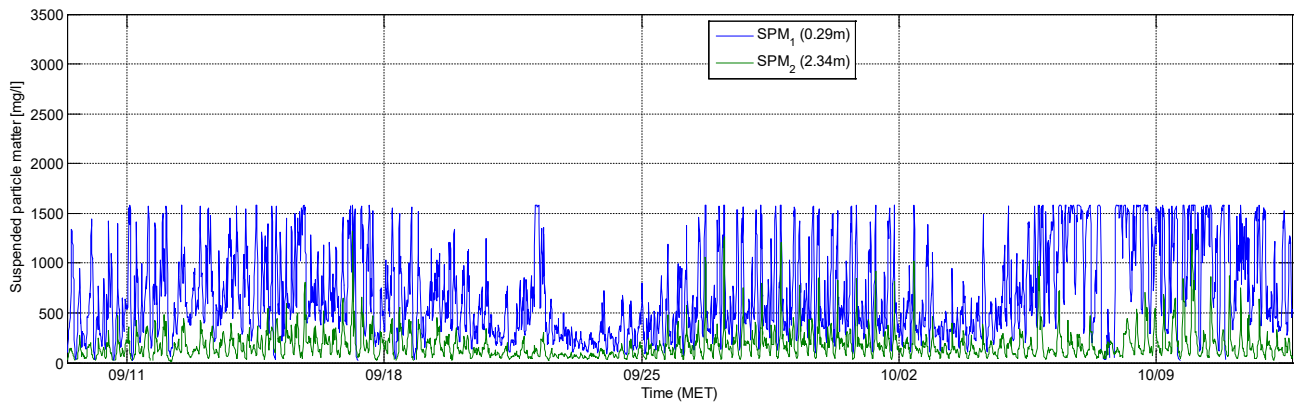


Figure 673 - Tripod deployment MOW1 (OBS): September - October 2011, Depth [m]

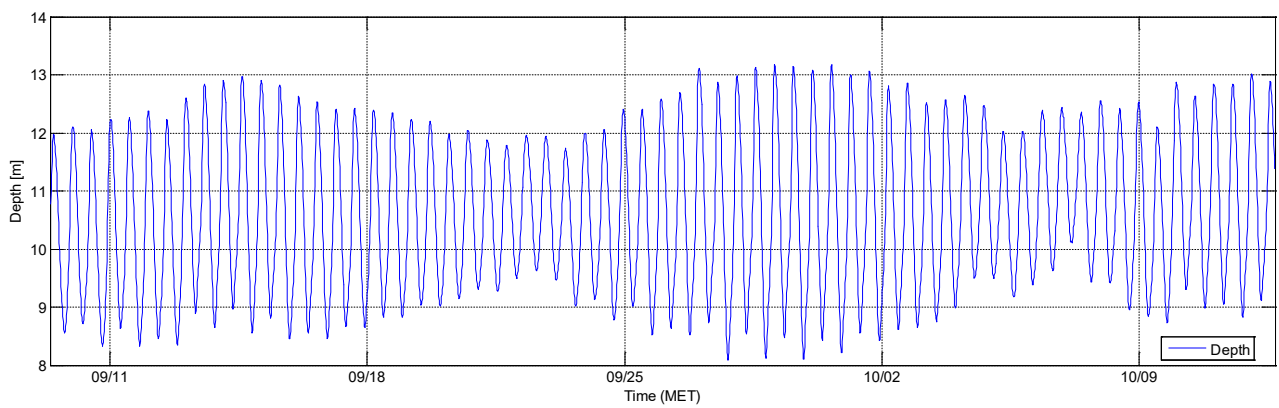


Figure 674 - Tripod deployment MOW1 (OBS): September - October 2011, Ro [-]

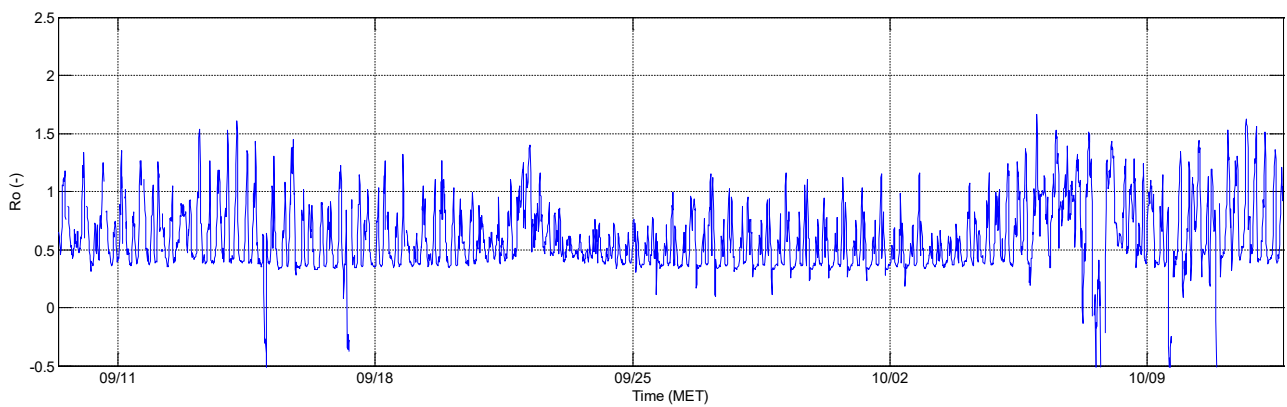
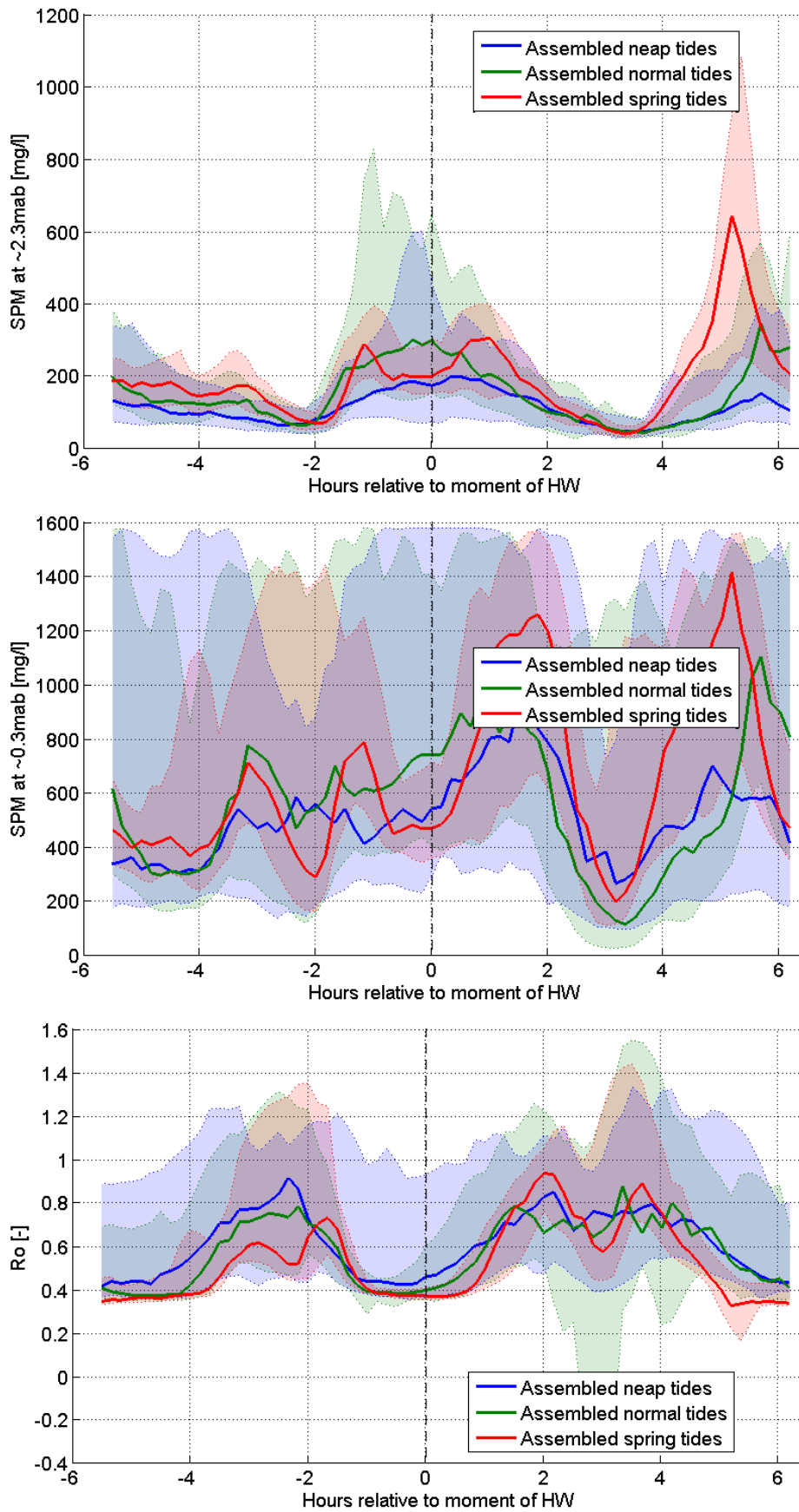


Figure 675 - Tripod deployment MOW1 (OBS): 09/09/2011 - 12/10/2011 - Median and 10-90th percentile band of the assembled SPM at 2.3mab(top), SPM at 0.29mab (middle), Ro (bottom)



F.2.31 Tripod deployment MOW1 (OBS): October - November 2011

Figure 676 - Tripod deployment MOW1 (OBS): October - November 2011, SPM [mg/l]

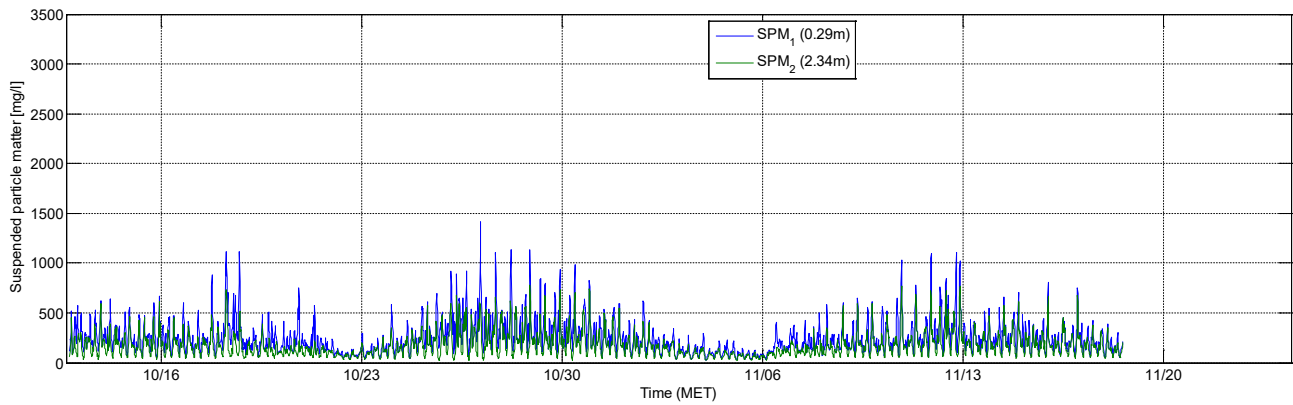


Figure 677 - Tripod deployment MOW1 (OBS): October - November 2011, Depth [m]

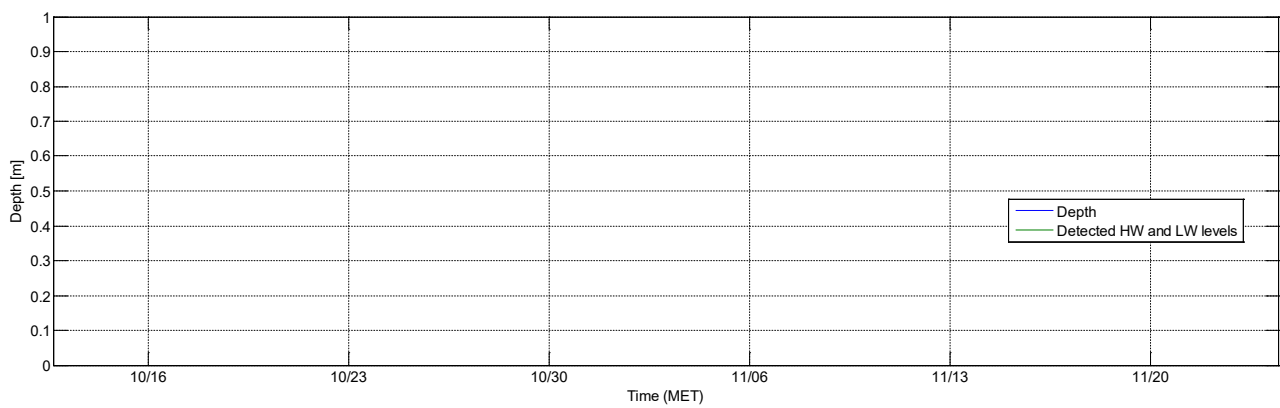
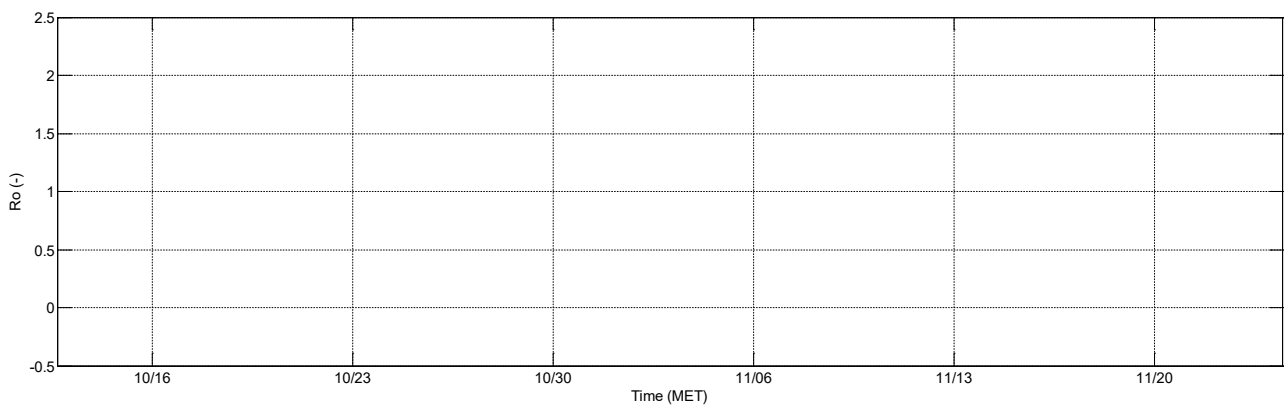


Figure 678 - Tripod deployment MOW1 (OBS): October - November 2011, Ro [-]



F.2.32 Tripod deployment MOW1 (OBS): November 2011 - February 2012

Figure 679 - Tripod deployment MOW1 (OBS): November 2011 - February 2012, SPM [mg/l]

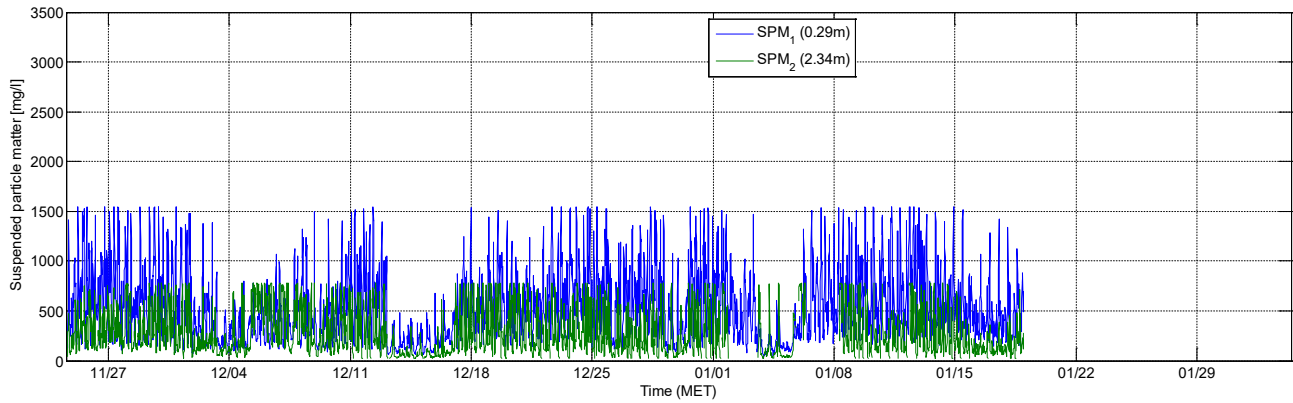


Figure 680 - Tripod deployment MOW1 (OBS): November 2011 - February 2012, Depth [m]

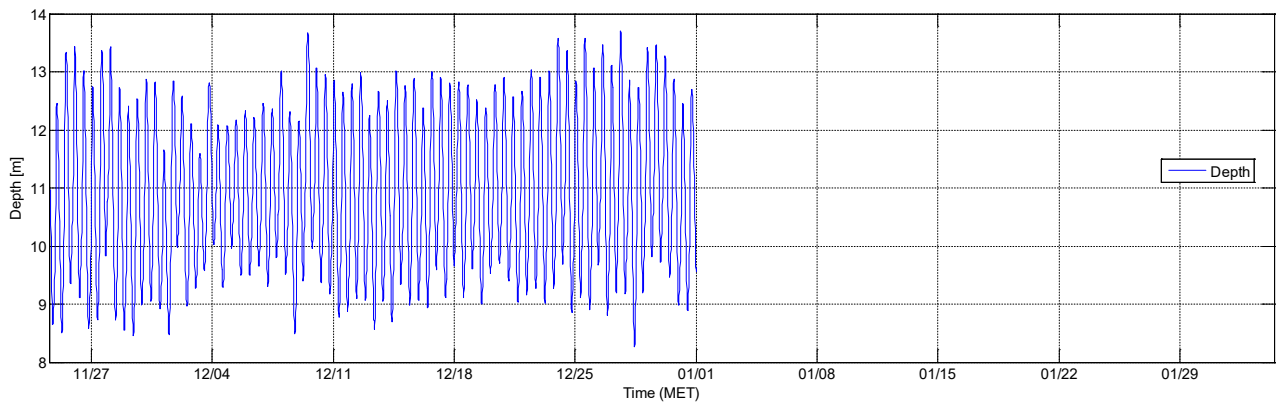


Figure 681 - Tripod deployment MOW1 (OBS): November 2011 - February 2012, Ro [-]

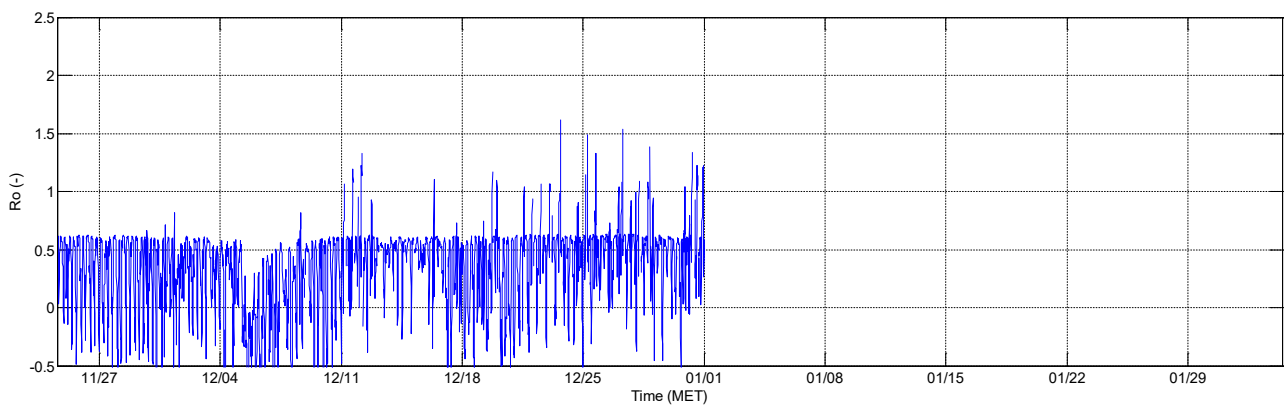
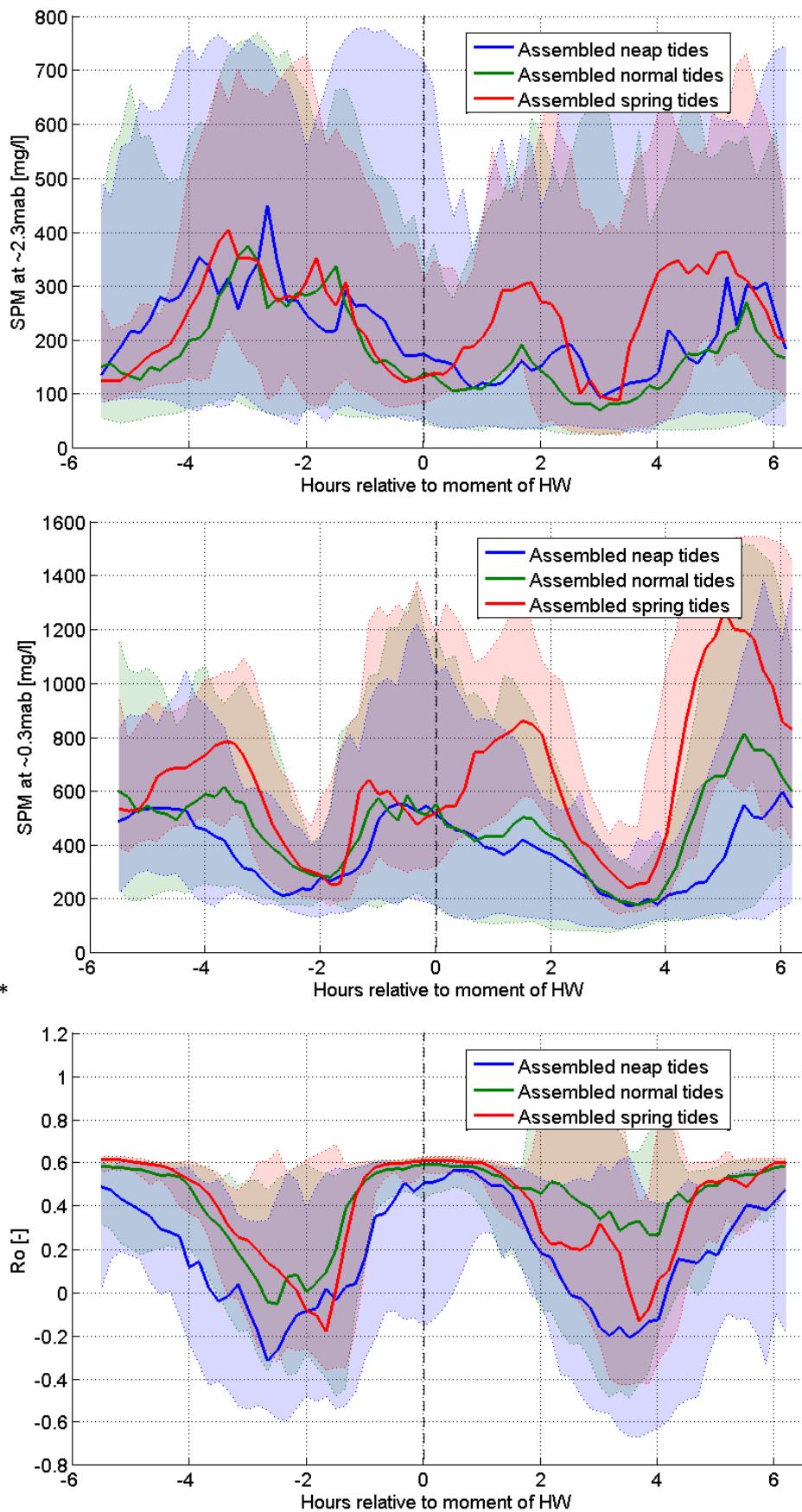


Figure 682 - Tripod deployment MOW1 (OBS): 24/11/2011 - 03/02/2012 - Median and 10-90th percentile band of the assembled SPM at 2.3mab, (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.33 Tripod deployment MOW1 (OBS): February - March 2012

Figure 683 - Tripod deployment MOW1 (OBS): February - March 2012, SPM [mg/l]

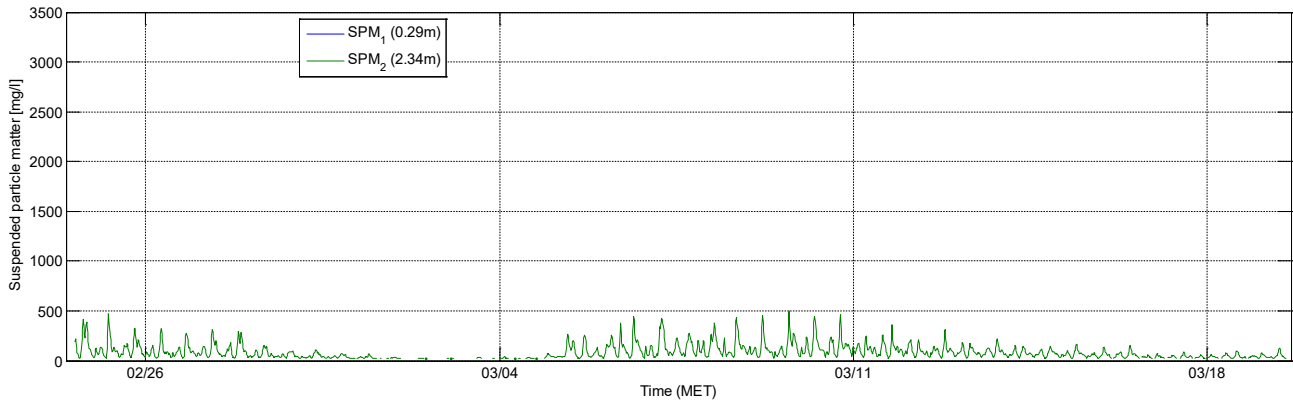


Figure 684 - Tripod deployment MOW1 (OBS): February - March 2012, Depth [m]

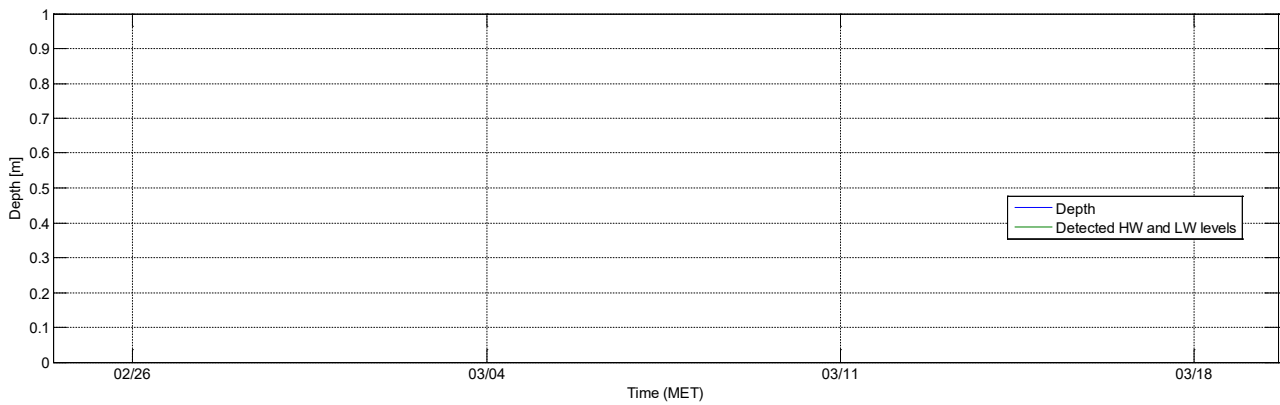
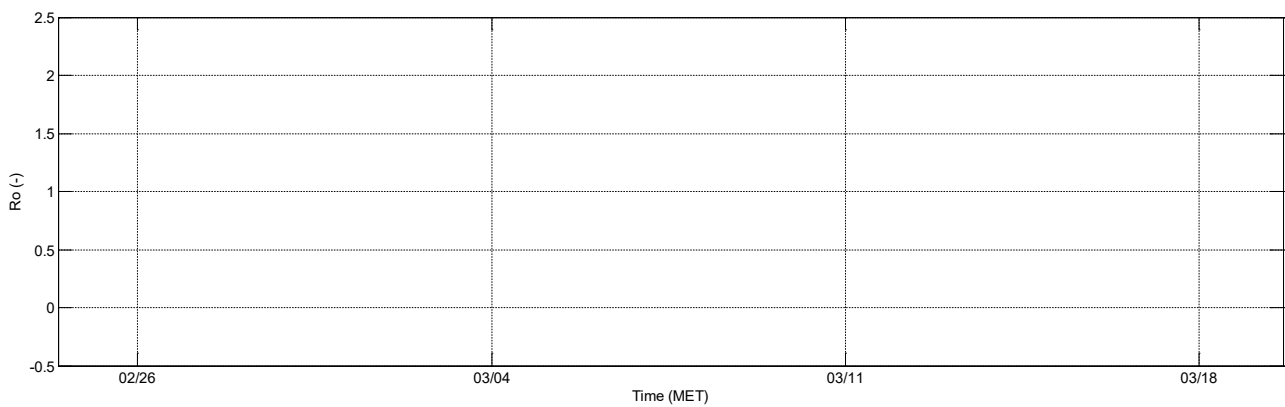


Figure 685 - Tripod deployment MOW1 (OBS): February - March 2012, Ro [-]



F.2.34 Tripod deployment MOW1 (OBS): March - April 2012

Figure 686 - Tripod deployment MOW1 (OBS): March - April 2012, SPM [mg/l]

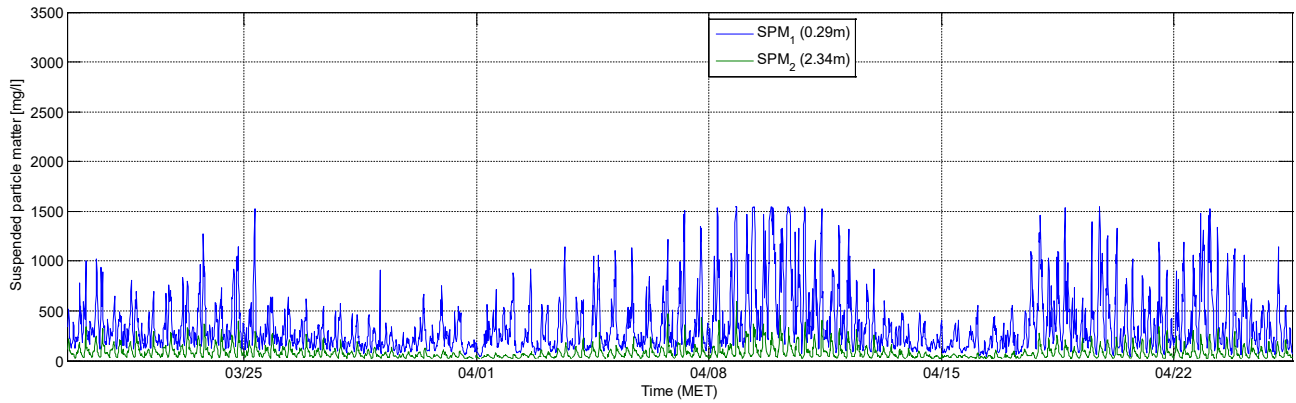


Figure 687 - Tripod deployment MOW1 (OBS): March - April 2012, Depth [m]

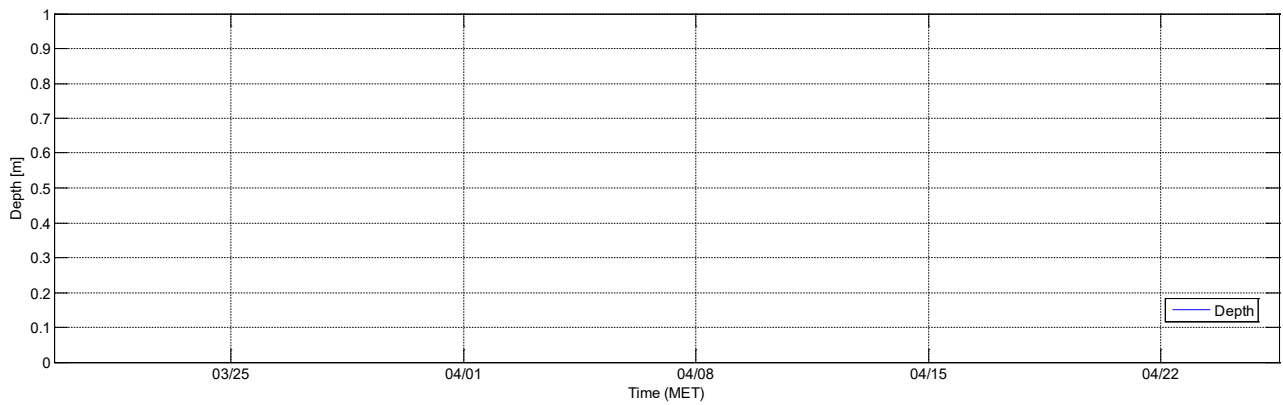
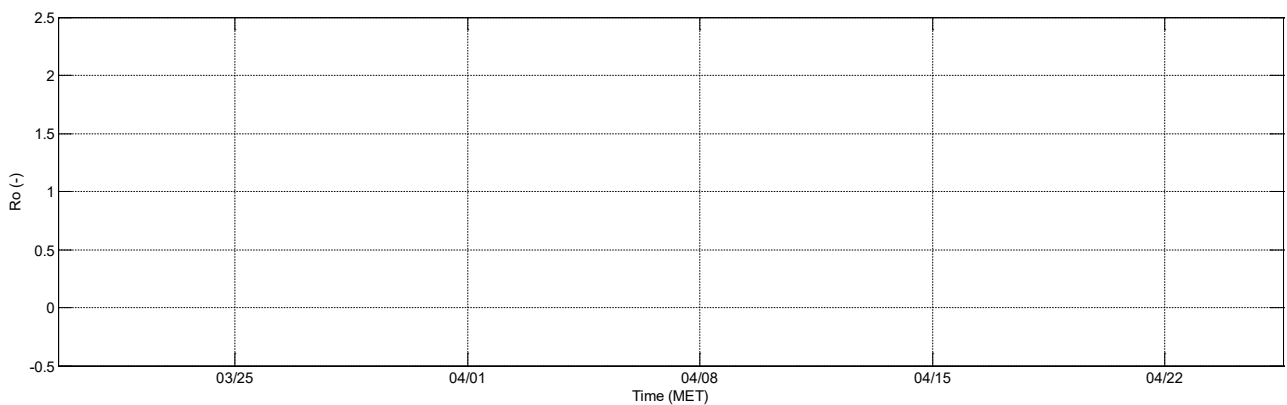


Figure 688 - Tripod deployment MOW1 (OBS): March - April 2012, Ro [-]



F.2.35 Tripod deployment MOW1 (OBS): June - August 2012

Figure 689 - Tripod deployment MOW1 (OBS): June - August 2012, SPM [mg/l]

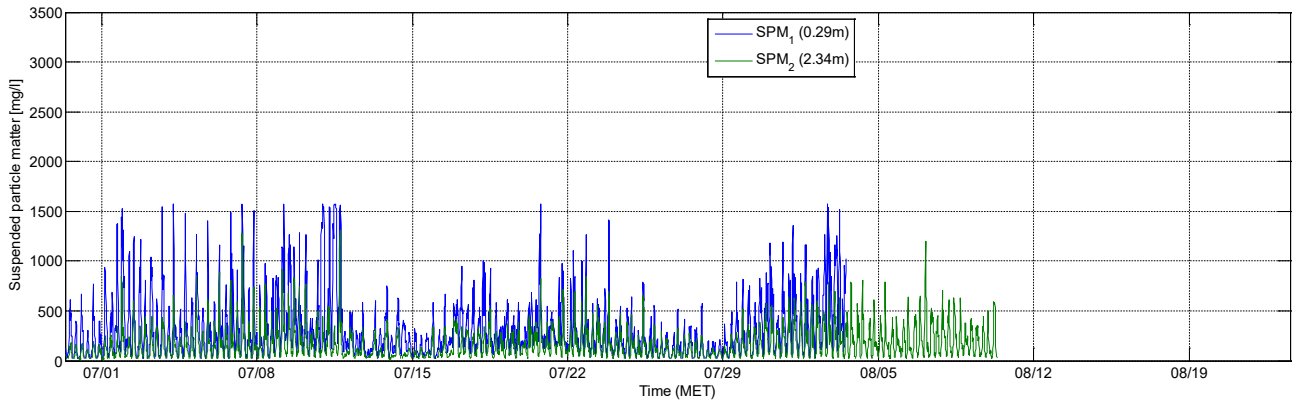


Figure 690 - Tripod deployment MOW1 (OBS): June - August 2012, Depth [m]

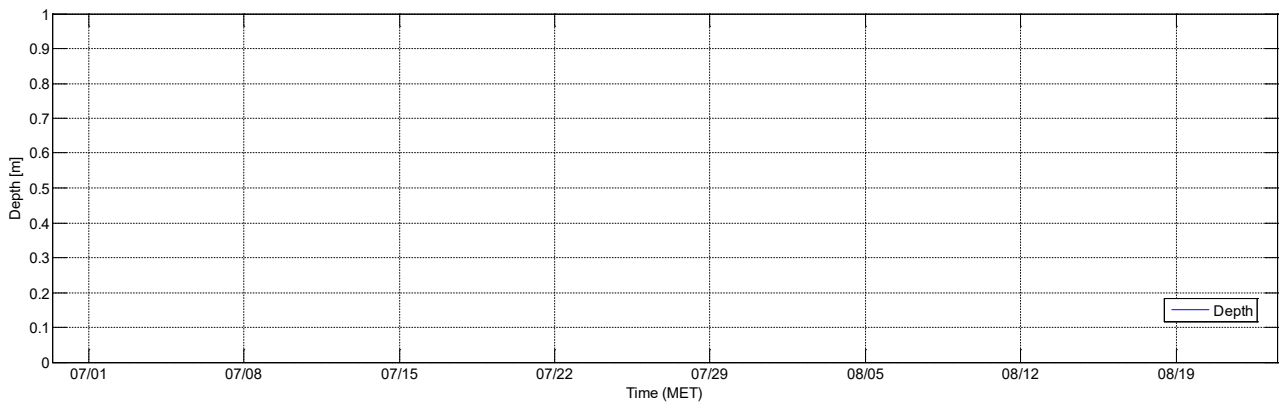
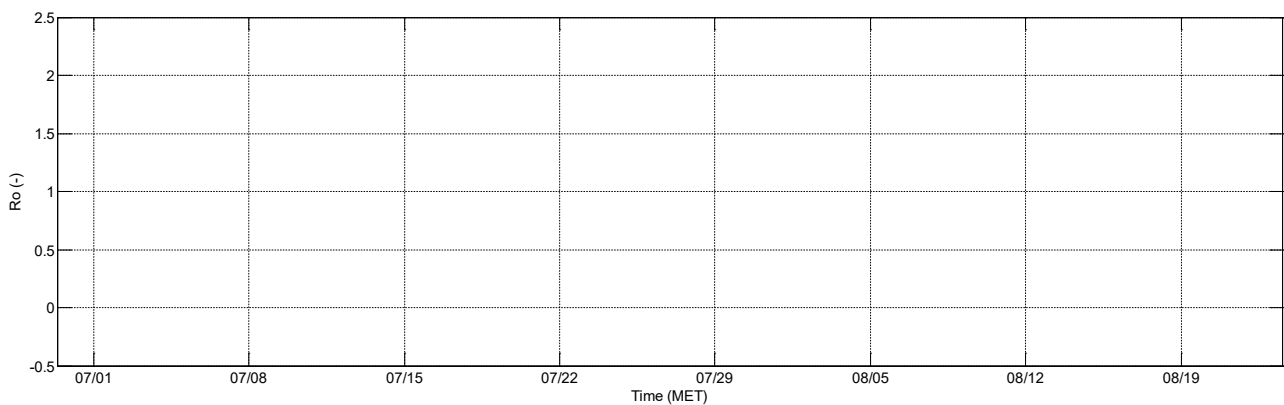


Figure 691 - Tripod deployment MOW1 (OBS): June - August 2012, Ro [-]



F.2.36 Tripod deployment MOW1 (OBS): December 2012 - January 2013

Figure 692 - Tripod deployment MOW1 (OBS): December 2012 - January 2013, SPM [mg/l]

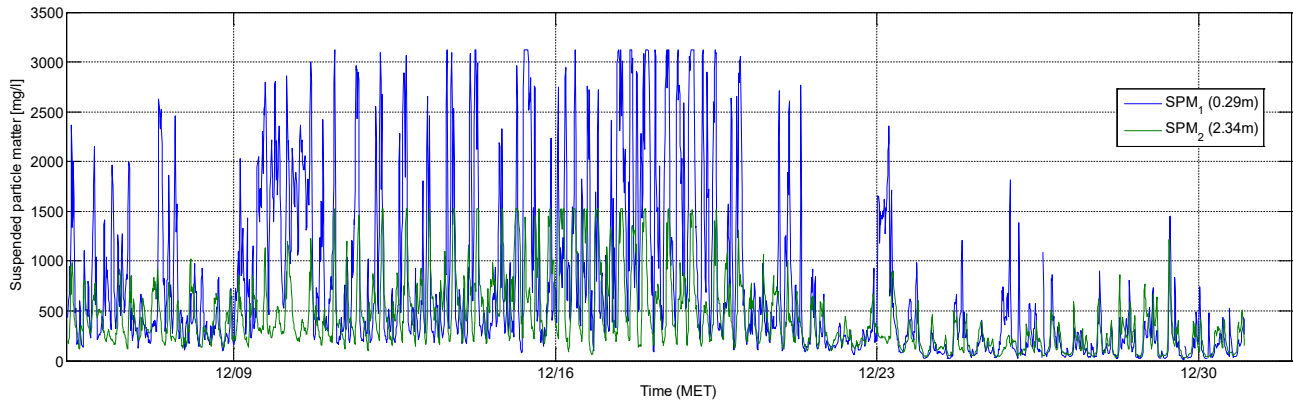


Figure 693 - Tripod deployment MOW1 (OBS): December 2012 - January 2013, Depth [m]

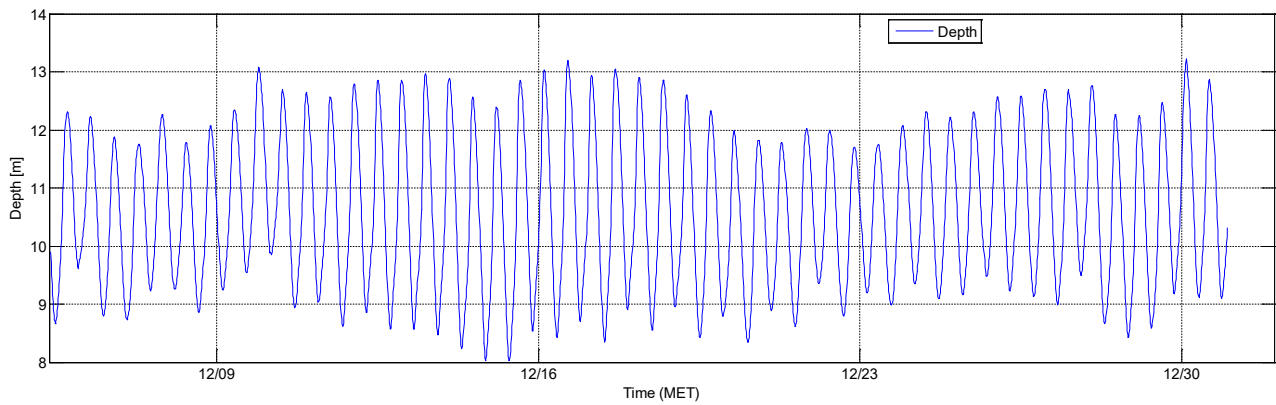


Figure 694 - Tripod deployment MOW1 (OBS): December 2012 - January 2013, Ro [-]

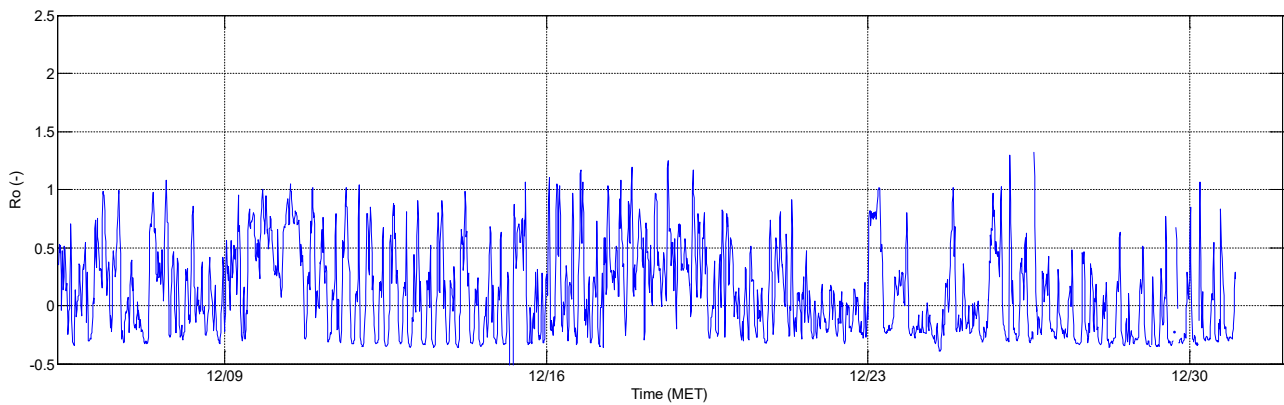
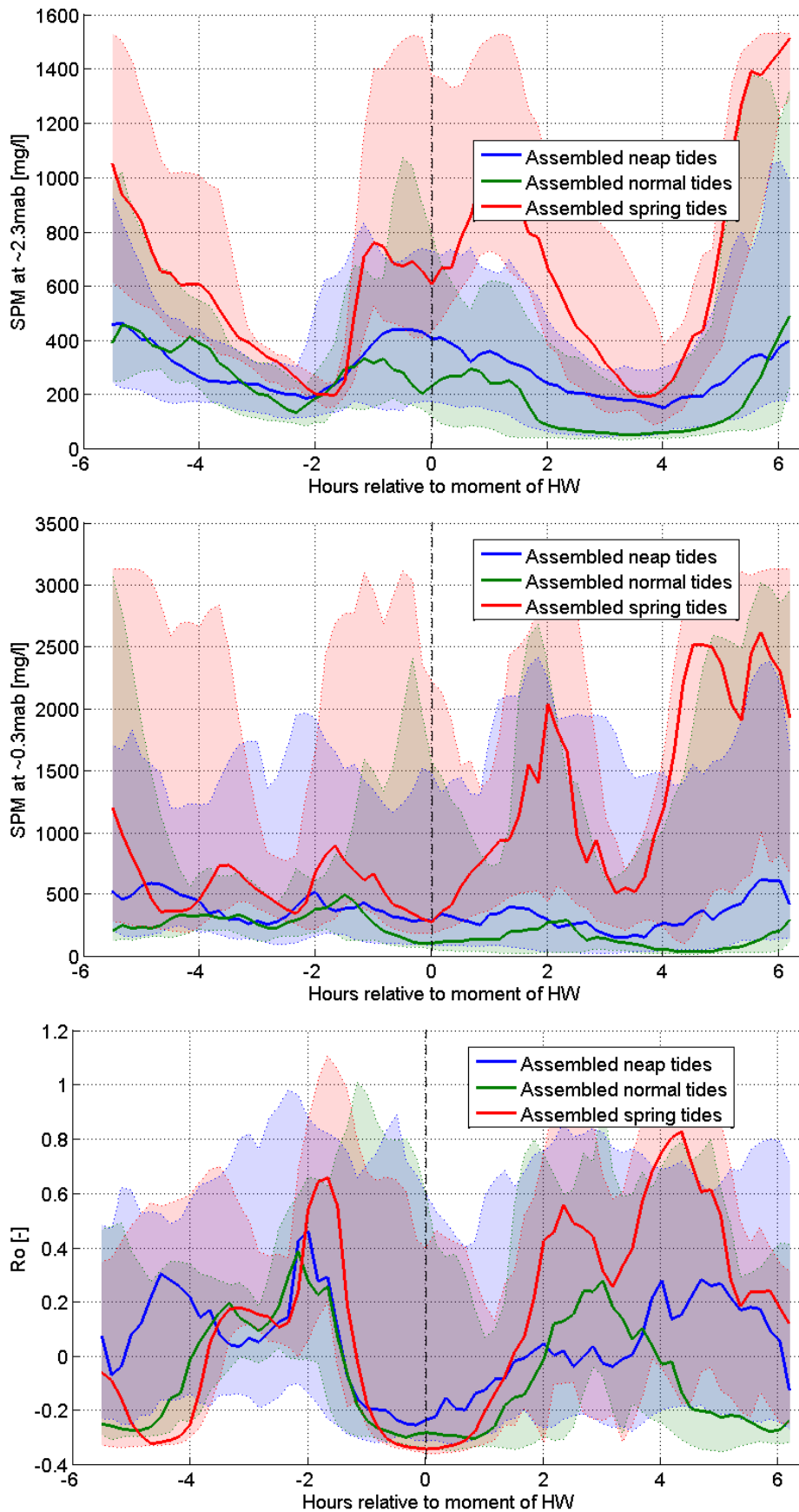


Figure 695 - Tripod deployment MOW1 (OBS): 05/12/2012 - 01/01/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.37 Tripod deployment MOW1 (OBS): January - March 2013

Figure 696 - Tripod deployment MOW1 (OBS): January - March 2013, SPM [mg/l]

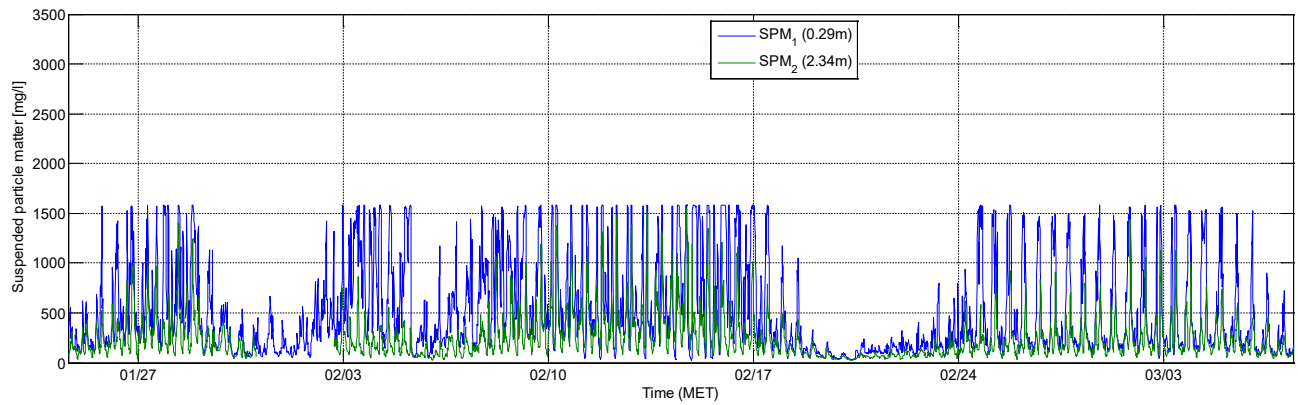


Figure 697 - Tripod deployment MOW1 (OBS): January - March 2013, Depth [m]

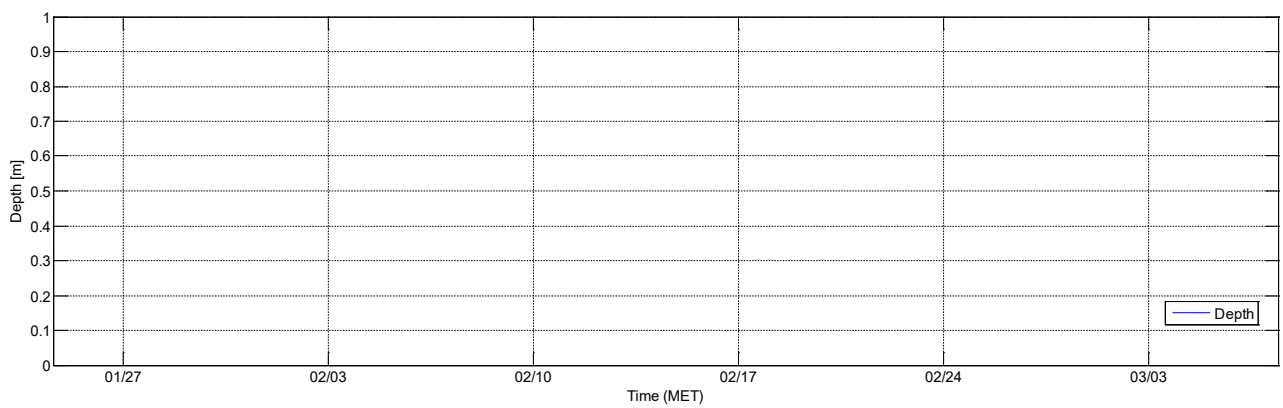
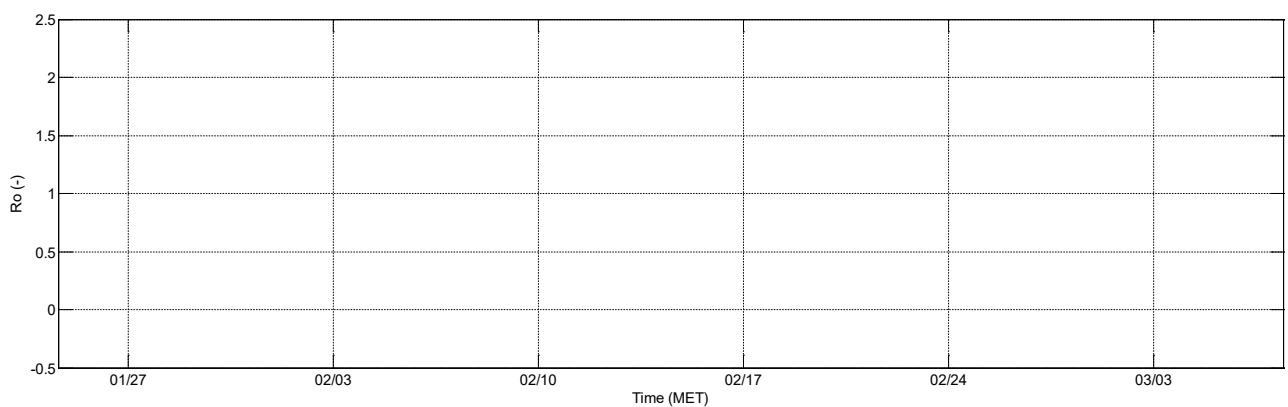


Figure 698 - Tripod deployment MOW1 (OBS): January - March 2013, Ro [-]



F.2.38 Tripod deployment MOW1 (OBS): March 2013

Figure 699 - Tripod deployment MOW1 (OBS): March 2013, SPM [mg/l]

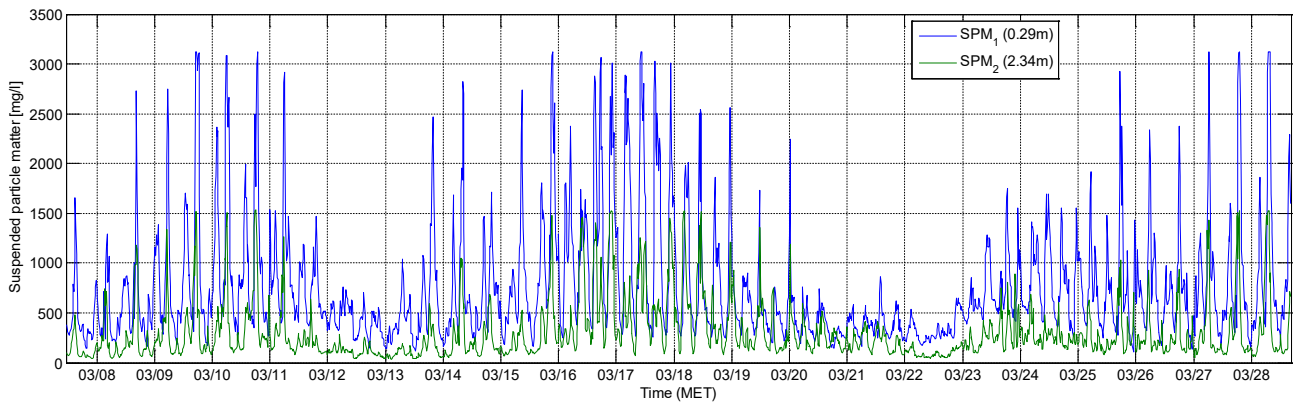


Figure 700 - Tripod deployment MOW1 (OBS): March 2013, Depth [m]

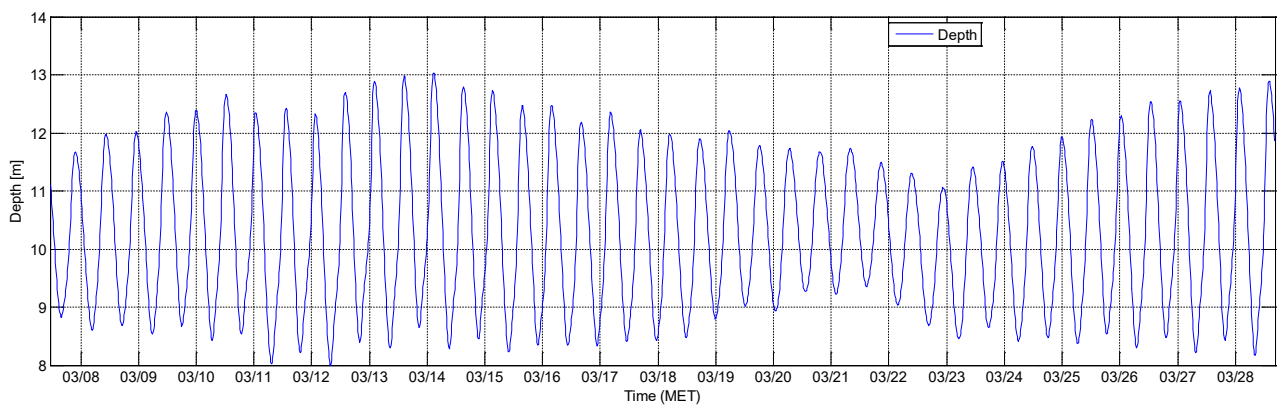


Figure 701 - Tripod deployment MOW1 (OBS): March 2013, Ro [-]

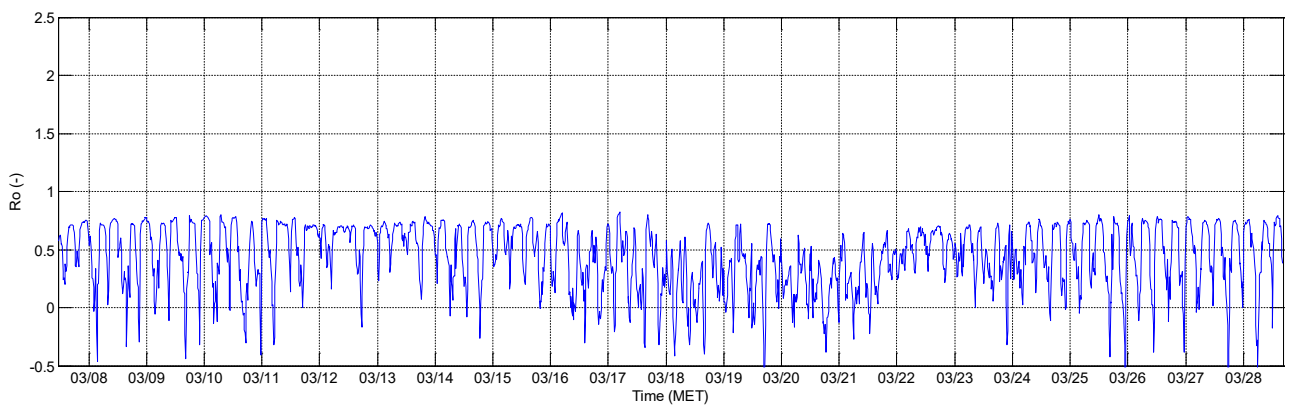
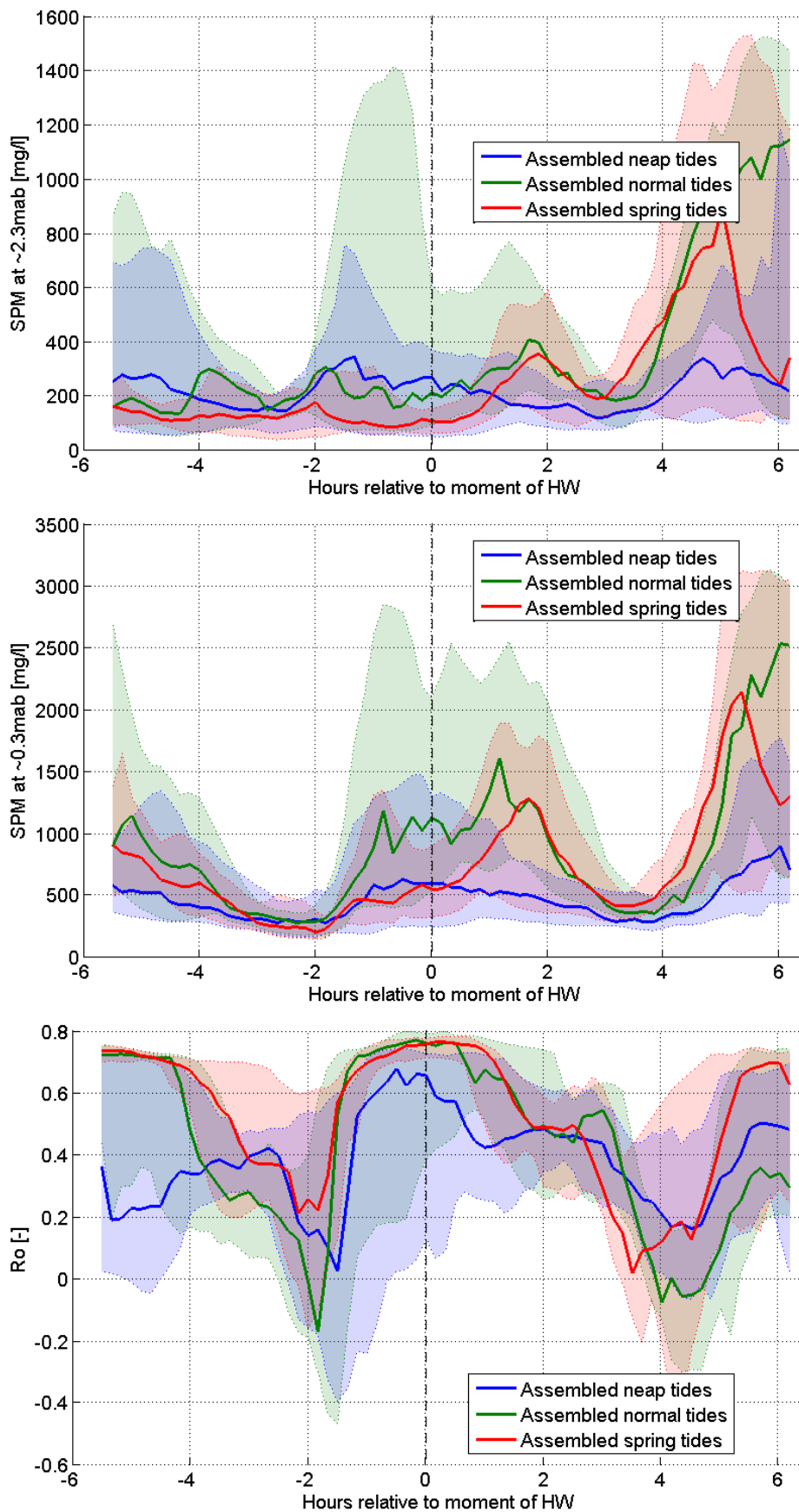


Figure 702 - Tripod deployment MOW1 (OBS): 07/03/2013 - 28/03/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.39 Tripod deployment MOW1 (OBS): March - April 2013

Figure 703 - Tripod deployment MOW1 (OBS): March - April 2013, SPM [mg/l]

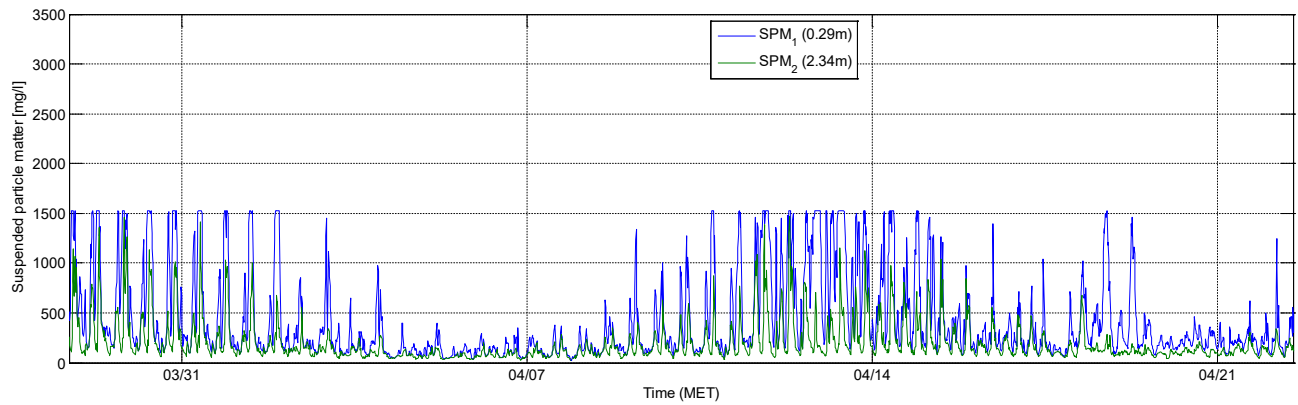


Figure 704 - Tripod deployment MOW1 (OBS): March - April 2013, Depth [m]

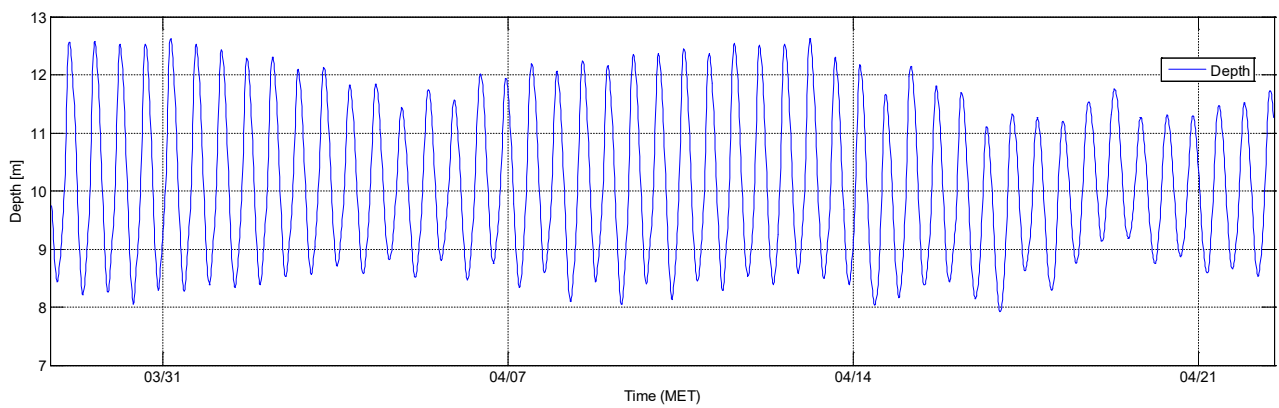


Figure 705 - Tripod deployment MOW1 (OBS): March - April 2013, Ro [-]

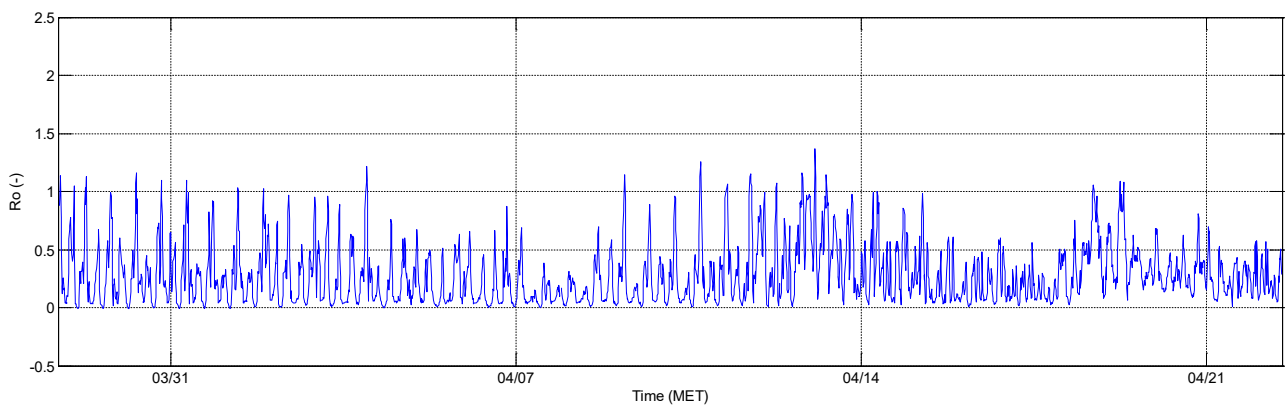
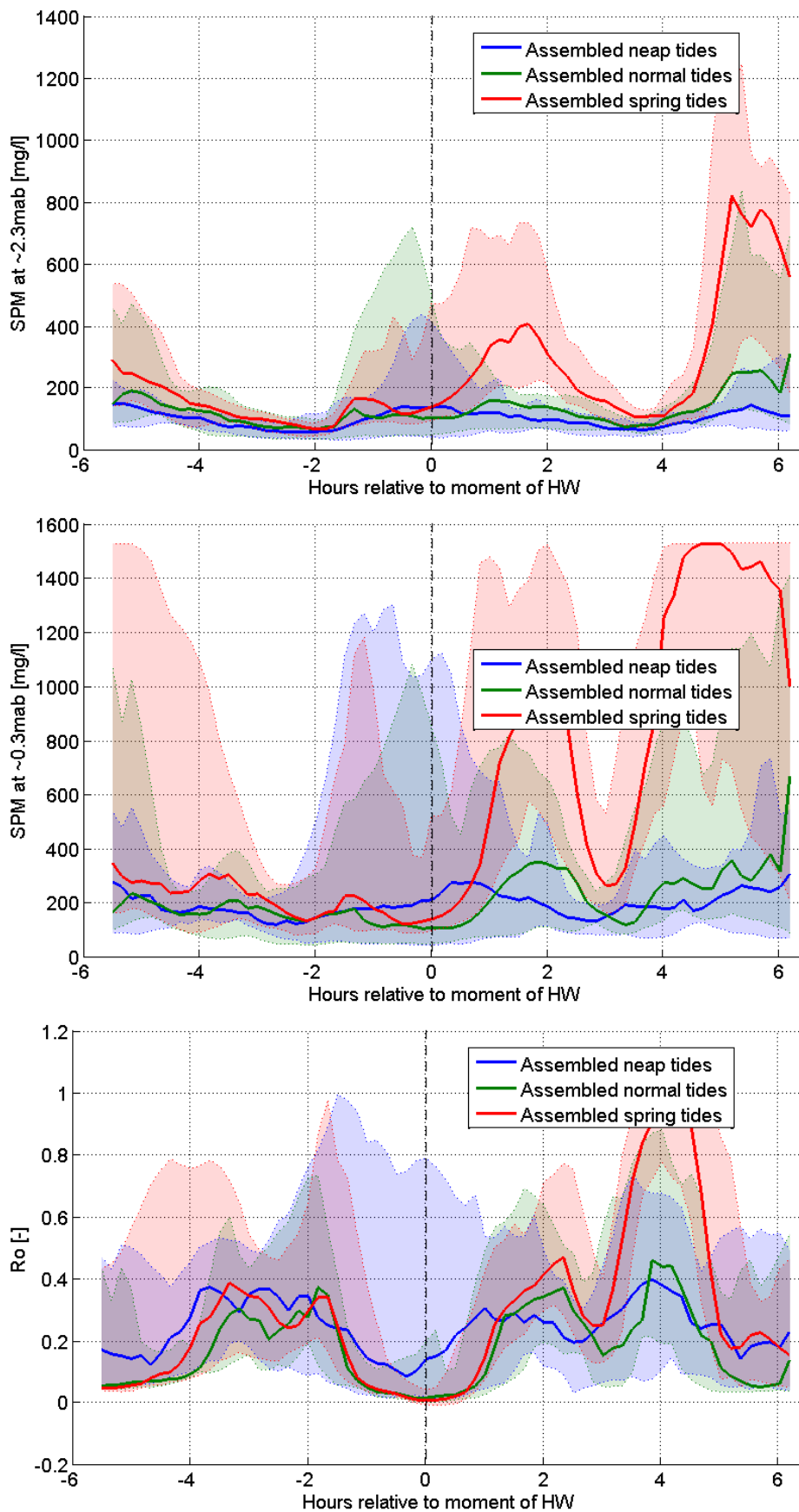


Figure 706 - Tripod deployment MOW1 (OBS): 28/03/2013 - 22/04/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.40 Tripod deployment MOW1 (OBS): April - May 2013

Figure 707 - Tripod deployment MOW1 (OBS): April - May 2013, SPM [mg/l]

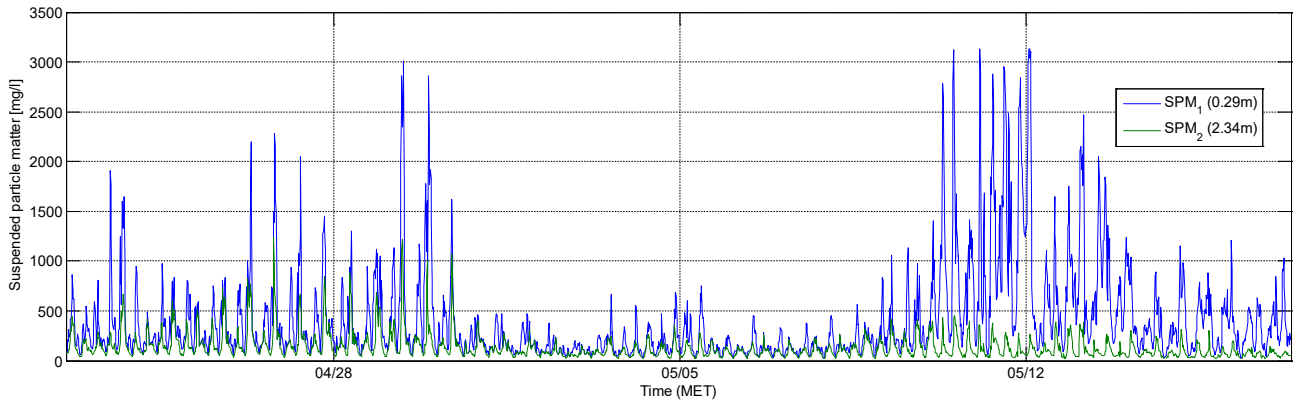


Figure 708 - Tripod deployment MOW1 (OBS): April - May 2013, Depth [m]

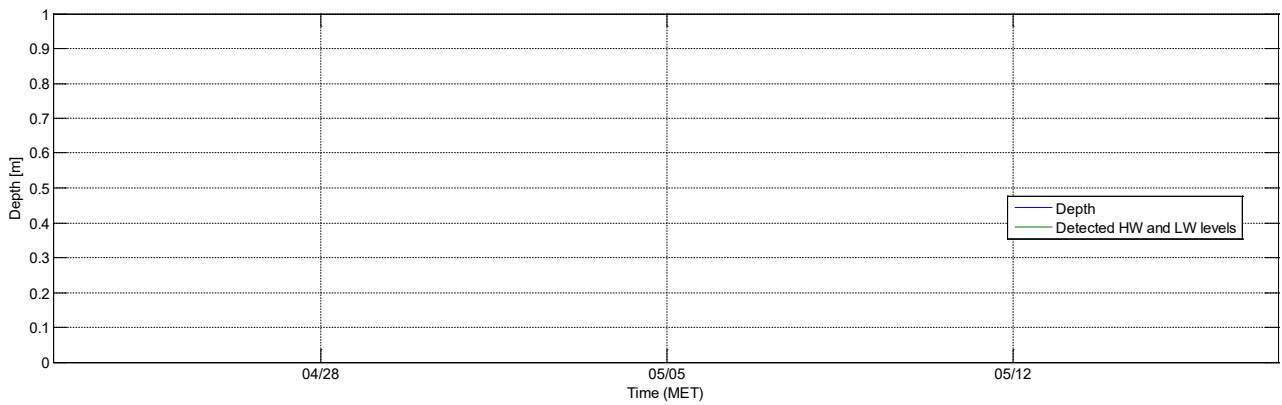
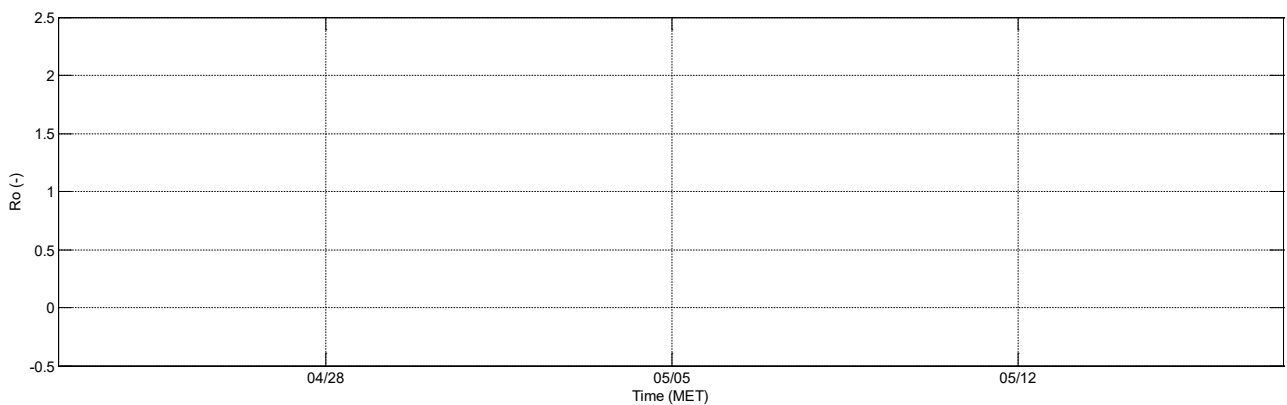


Figure 709 - Tripod deployment MOW1 (OBS): April - May 2013, Ro [-]



F.2.41 Tripod deployment MOW1 (OBS): May - June 2013

Figure 710 - Tripod deployment MOW1 (OBS): May - June 2013, SPM [mg/l]

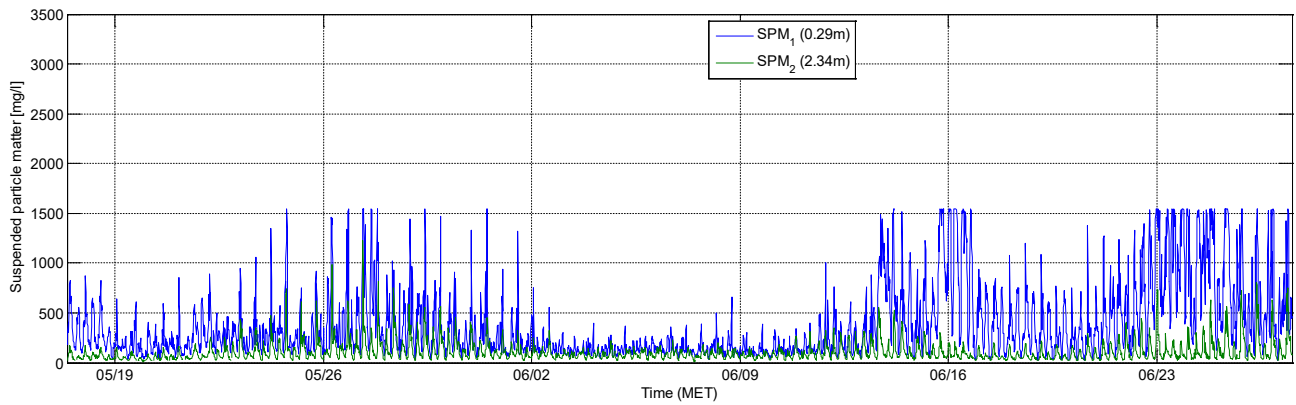


Figure 711 - Tripod deployment MOW1 (OBS): May - June 2013, Depth [m]

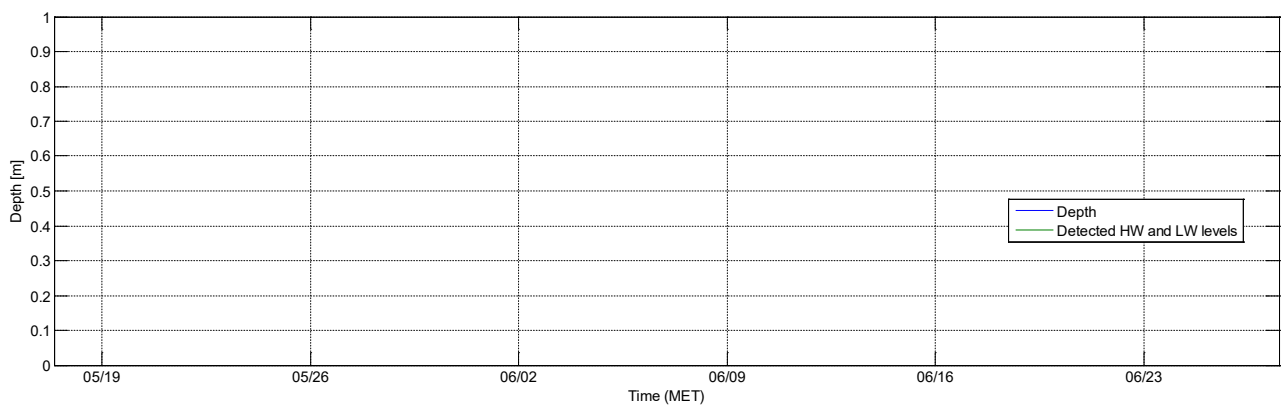
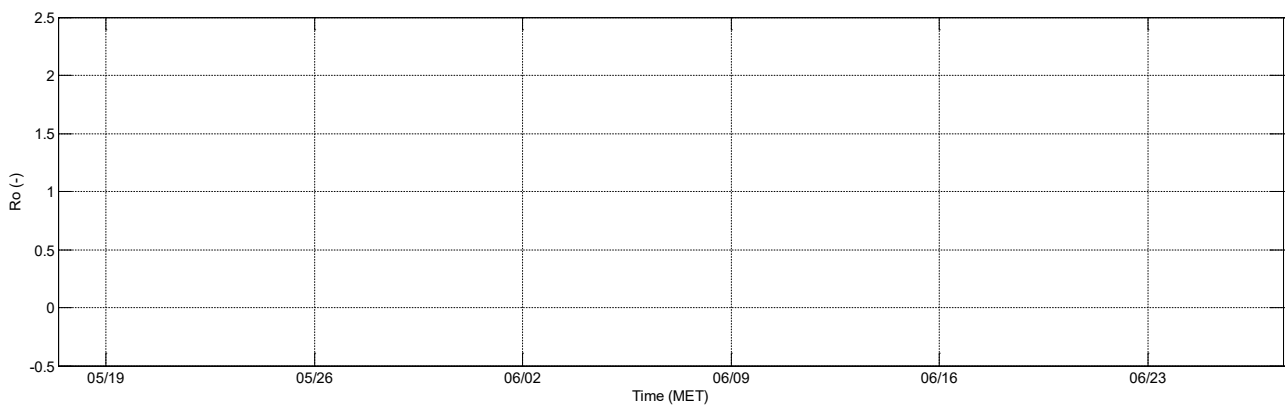


Figure 712 - Tripod deployment MOW1 (OBS): May - June 2013, Ro [-]



F.2.42 Tripod deployment MOW1 (OBS): June - July 2013

Figure 713 - Tripod deployment MOW1 (OBS): June - July 2013, SPM [mg/l]

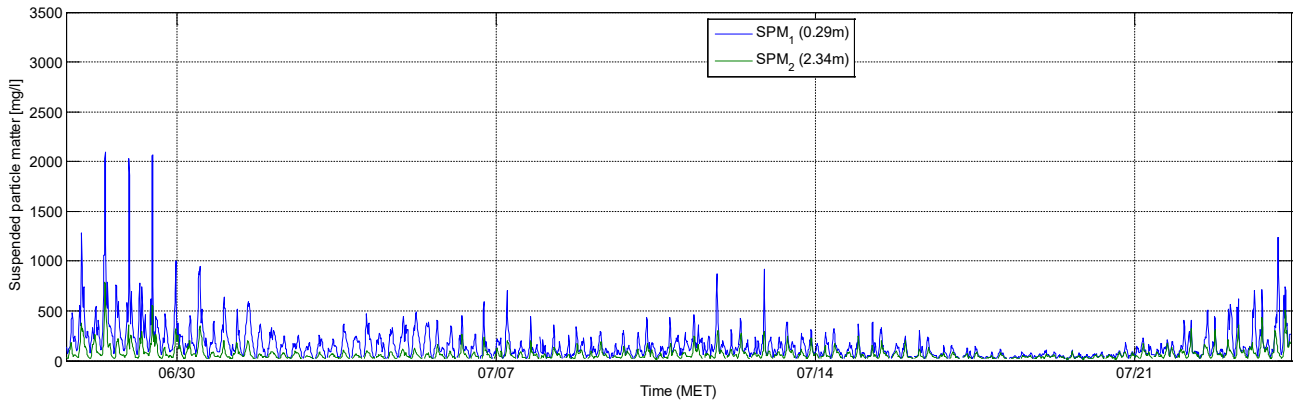


Figure 714 - Tripod deployment MOW1 (OBS): June - July 2013, Depth [m]

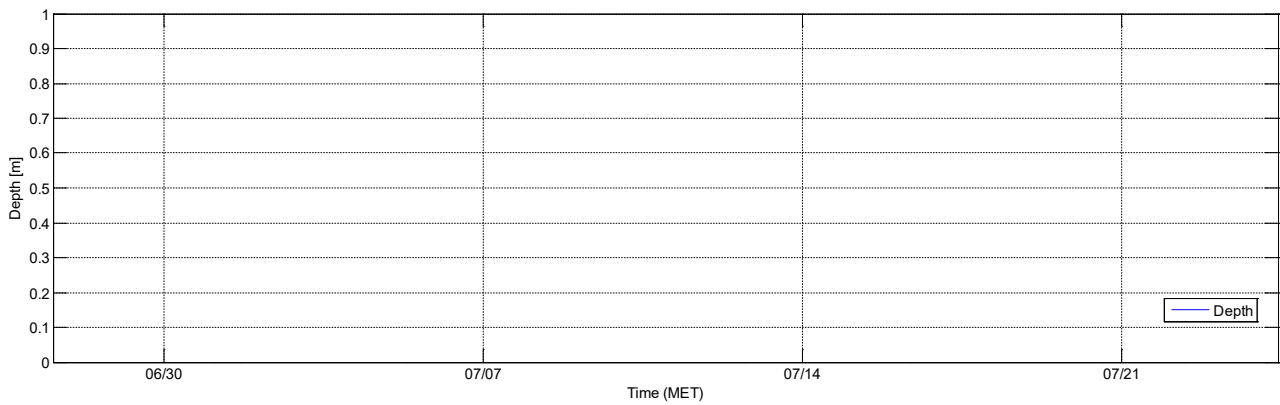
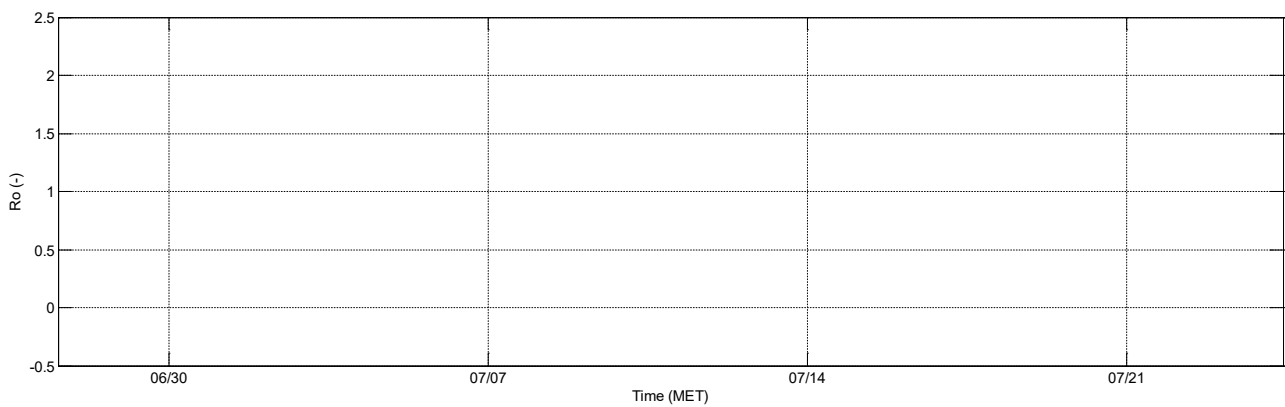


Figure 715 - Tripod deployment MOW1 (OBS): June - July 2013, Ro [-]



F.2.43 Tripod deployment MOW1 (OBS): July - August 2013

Figure 716 - Tripod deployment MOW1 (OBS): July - August 2013, SPM [mg/l]

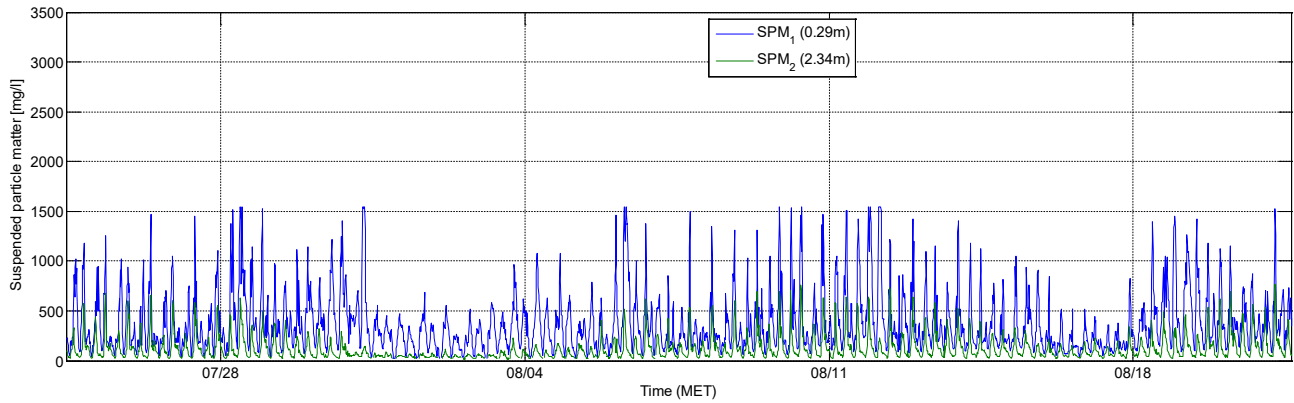


Figure 717 - Tripod deployment MOW1 (OBS): July - August 2013, Depth [m]

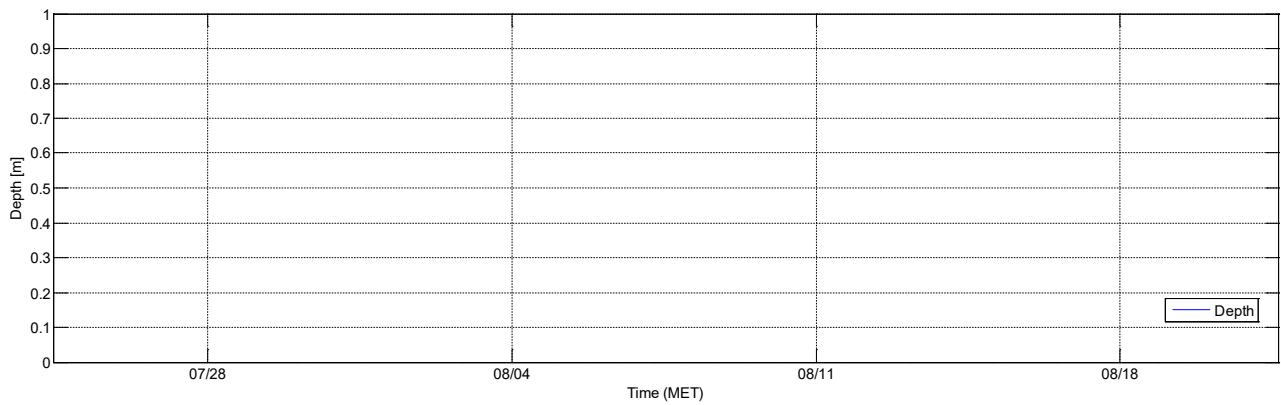
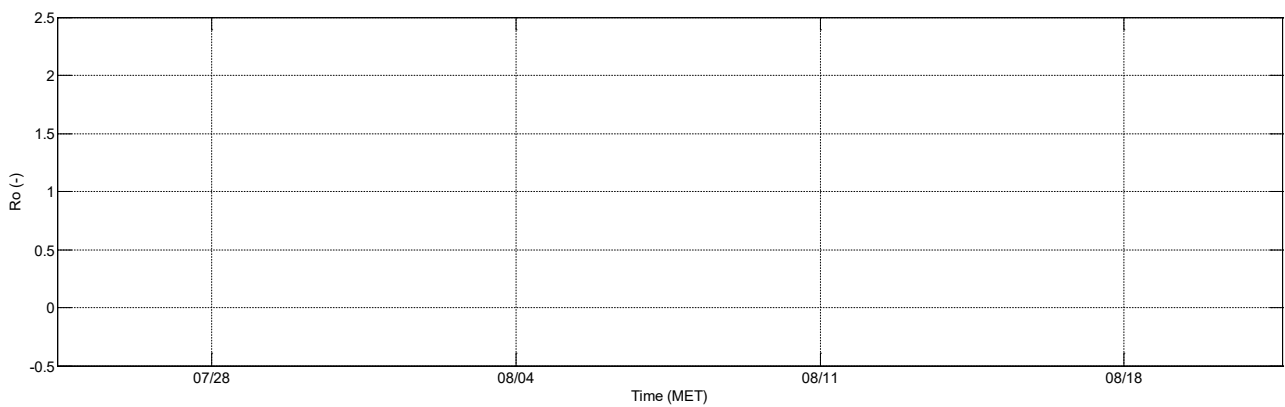


Figure 718 - Tripod deployment MOW1 (OBS): July - August 2013, Ro [-]



F.2.44 Tripod deployment MOW1 (OBS): August - September 2013

Figure 719 - Tripod deployment MOW1 (OBS): August - September 2013, SPM [mg/l]

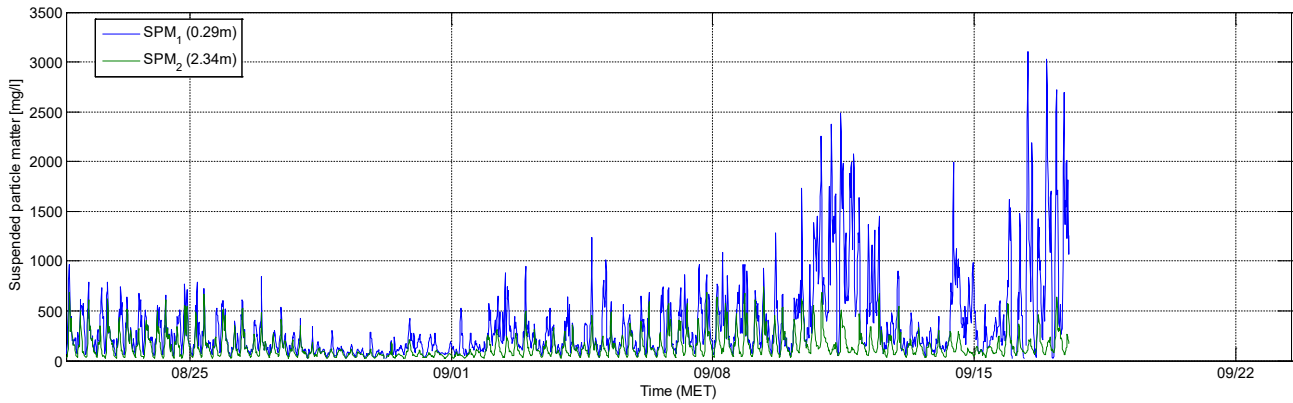


Figure 720 - Tripod deployment MOW1 (OBS): August - September 2013, Depth [m]

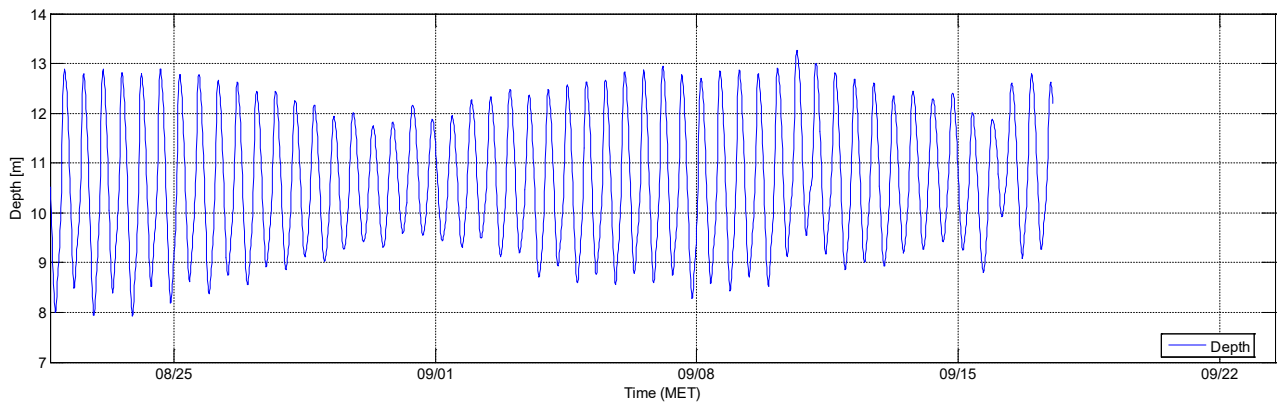


Figure 721 - Tripod deployment MOW1 (OBS): August - September 2013, Ro [-]

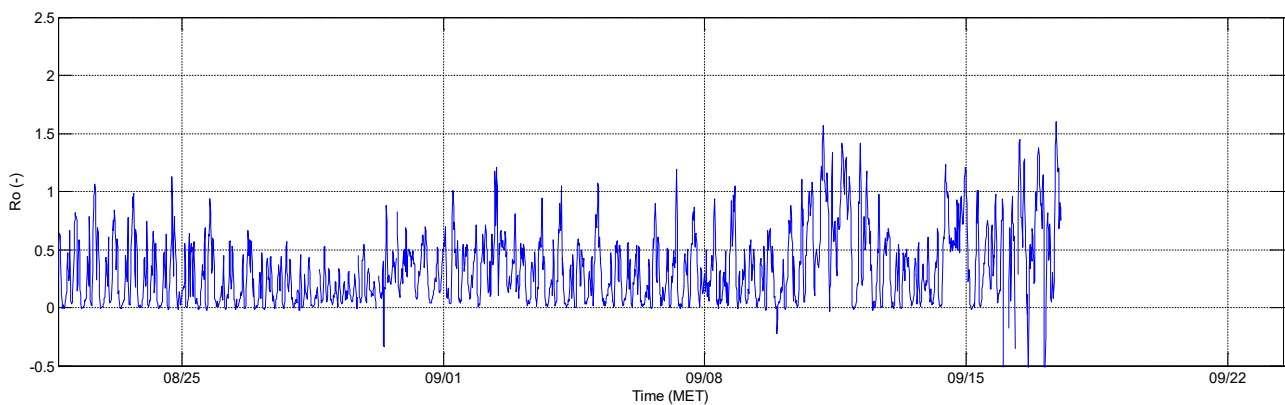
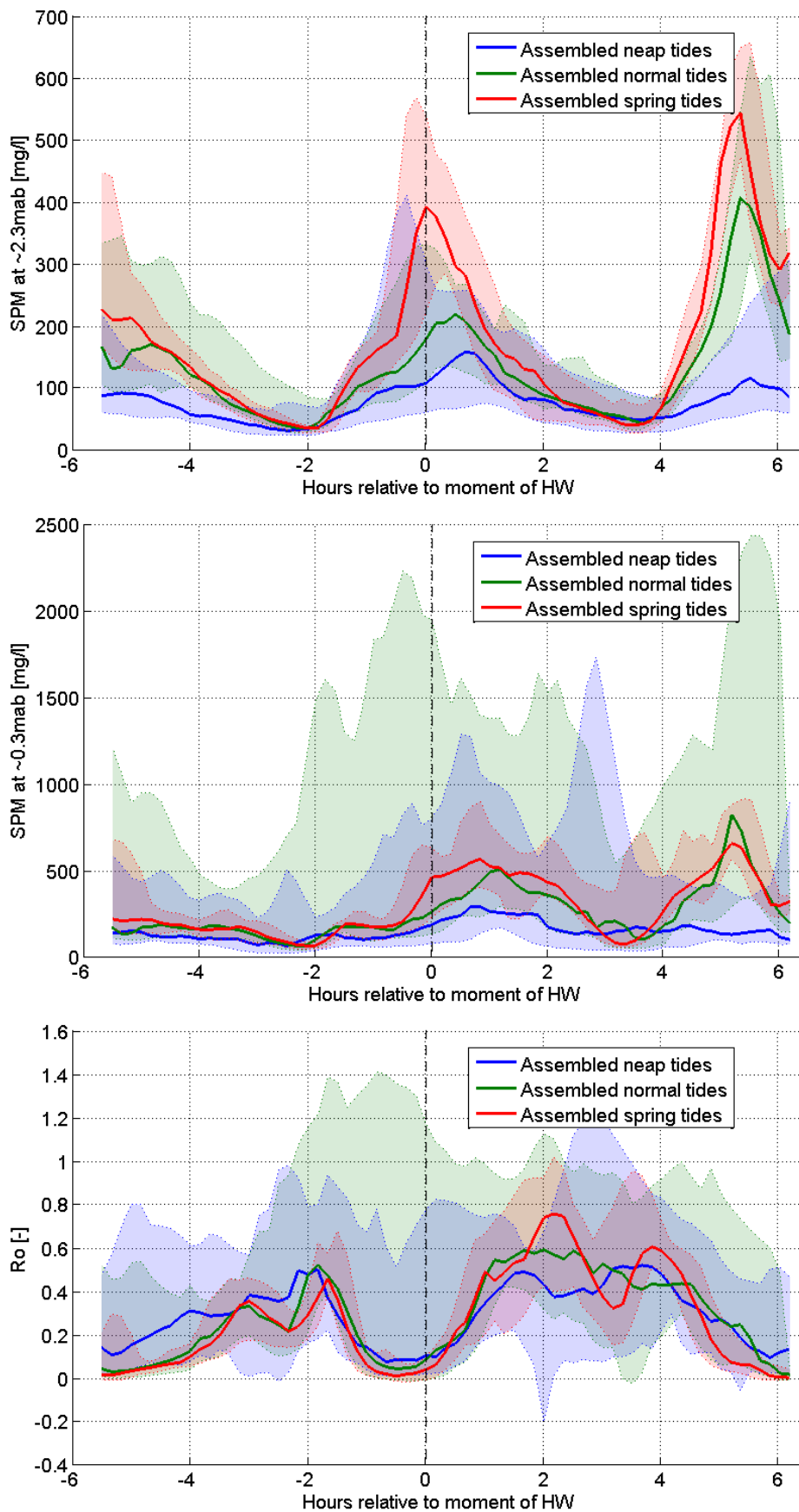


Figure 722 - Tripod deployment MOW1 (OBS): 21/08/2013 - 23/09/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.45 Tripod deployment MOW1 (OBS): September - October 2013

Figure 723 - Tripod deployment MOW1 (OBS): September - October 2013, SPM [mg/l]

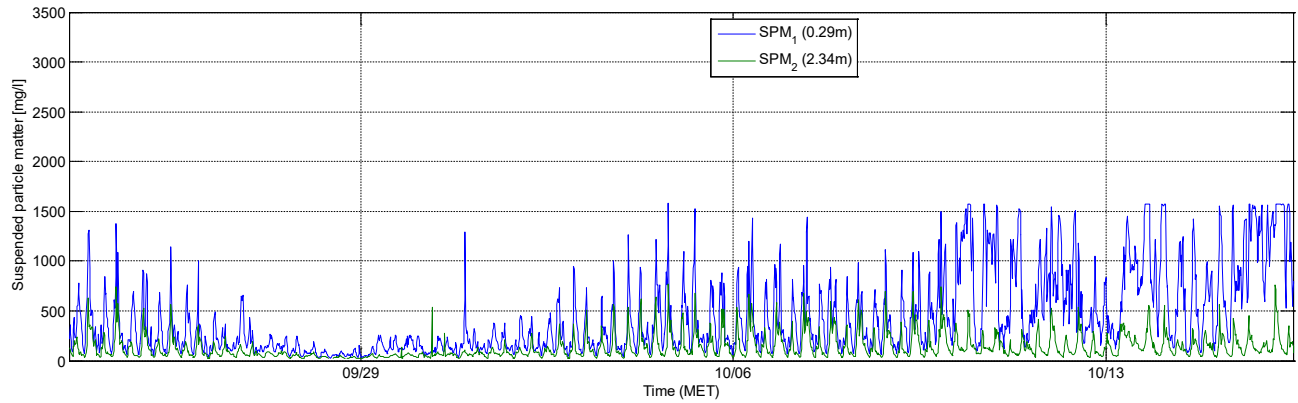


Figure 724 - Tripod deployment MOW1 (OBS): September - October 2013, Depth [m]

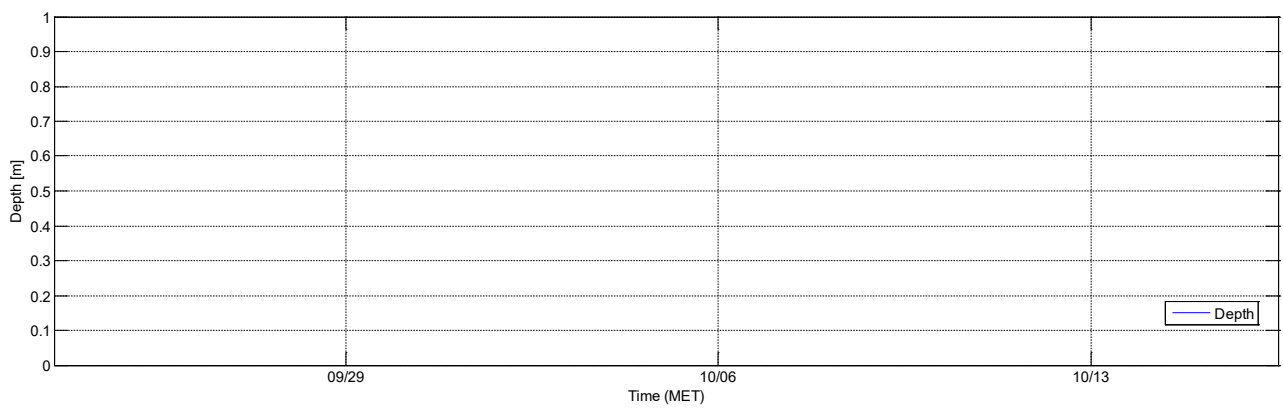
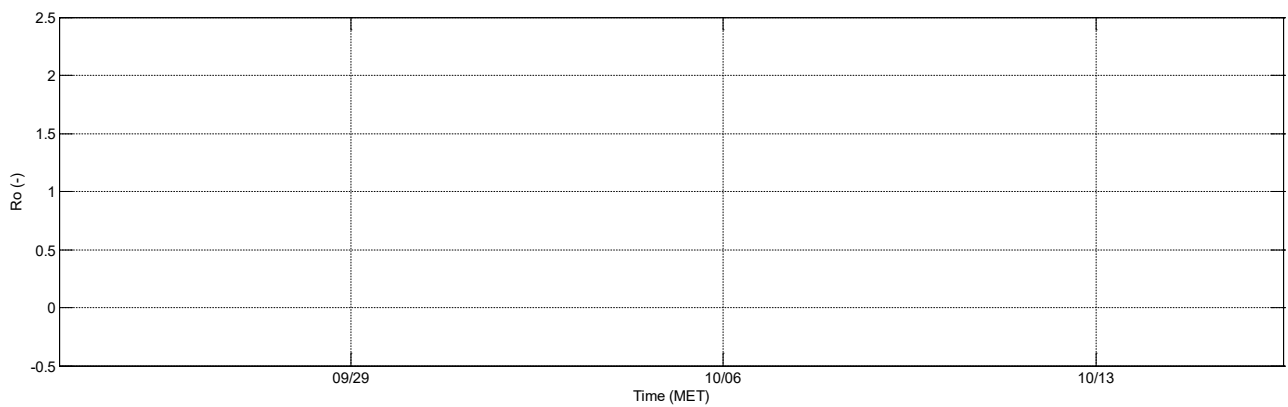


Figure 725 - Tripod deployment MOW1 (OBS): September - October 2013, Ro [-]



F.2.46 Tripod deployment MOW1 (OBS): October - November 2013

Figure 726 - Tripod deployment MOW1 (OBS): October - November 2013, SPM [mg/l]

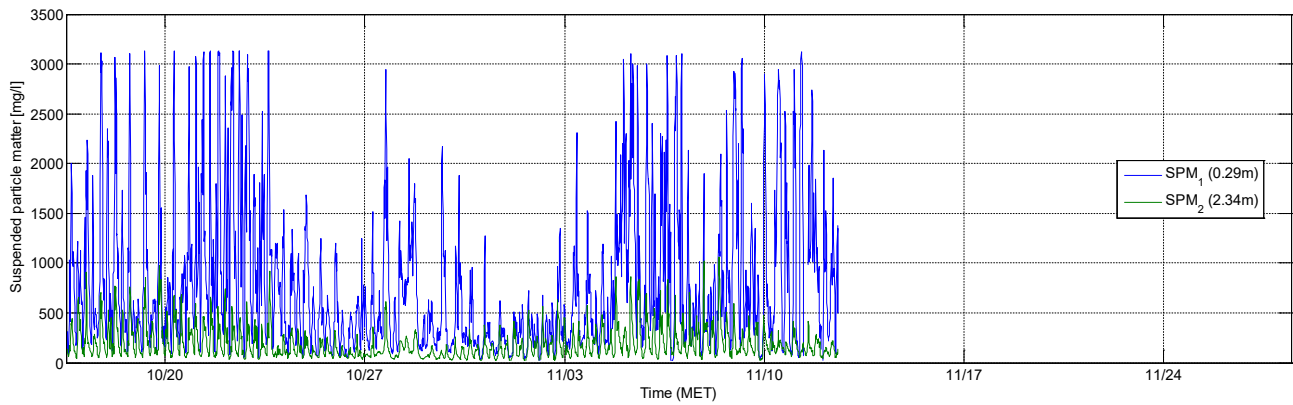


Figure 727 - Tripod deployment MOW1 (OBS): October - November 2013, Depth [m]

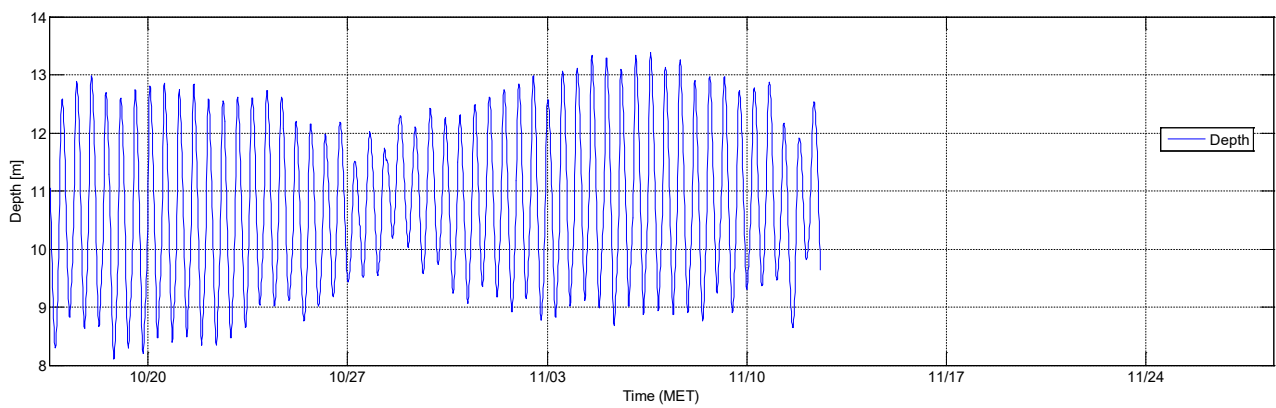


Figure 728 - Tripod deployment MOW1 (OBS): October - November 2013, Ro [-]

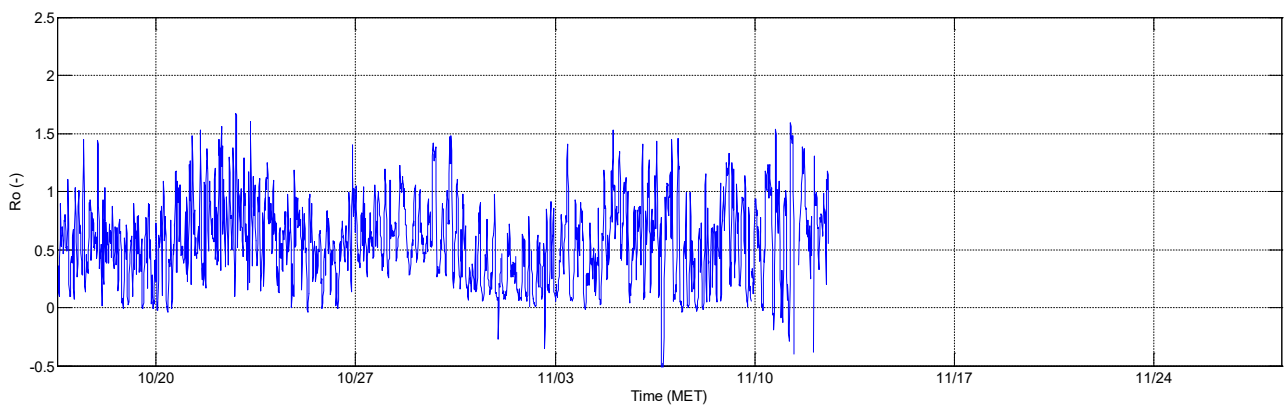
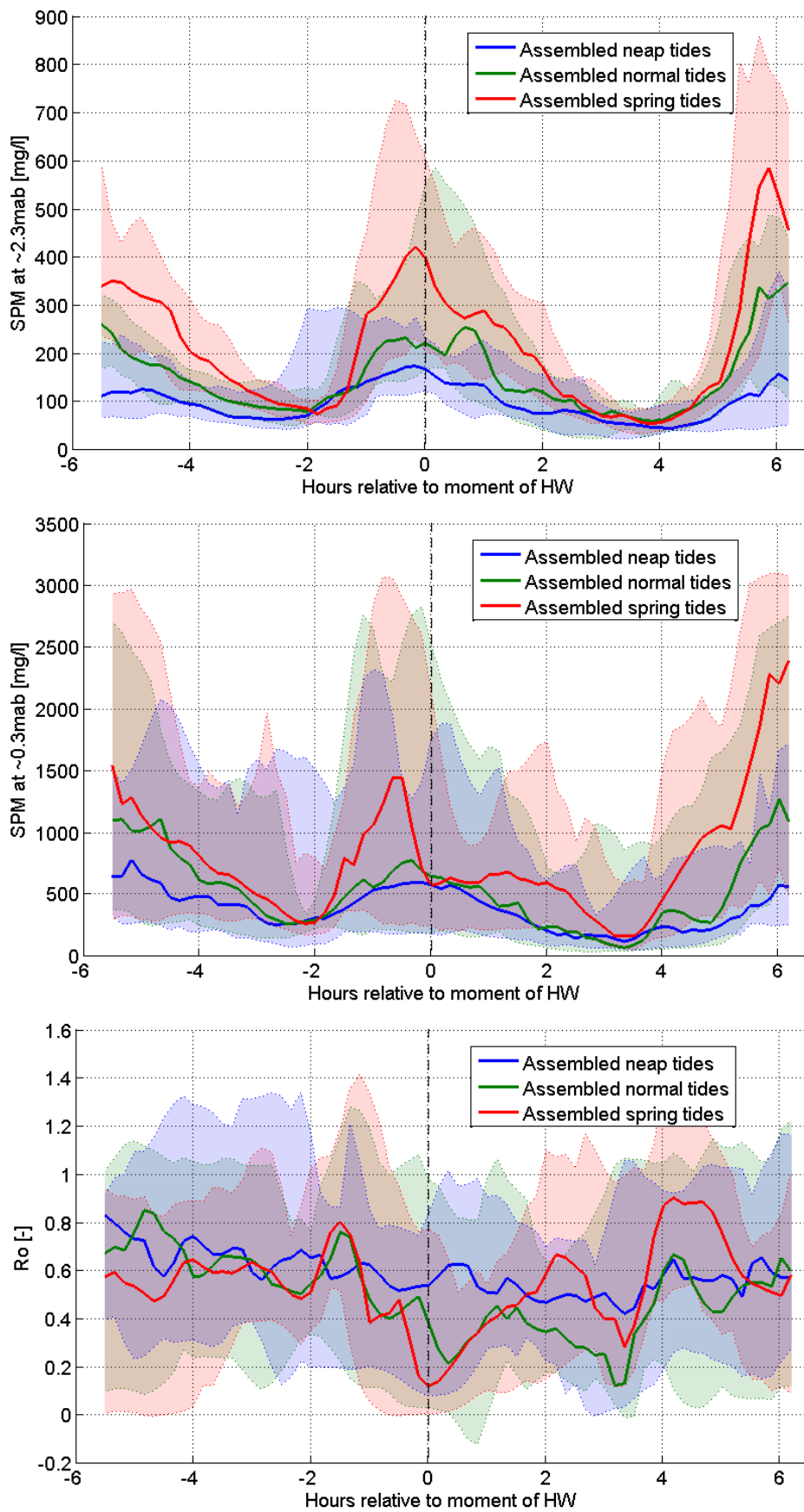


Figure 729 - Tripod deployment MOW1 (OBS): 16/10/2013 - 28/11/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.2.47 Tripod deployment MOW1 (OBS): November - December 2013

Figure 730 - Tripod deployment MOW1 (OBS): November - December 2013, SPM [mg/l]

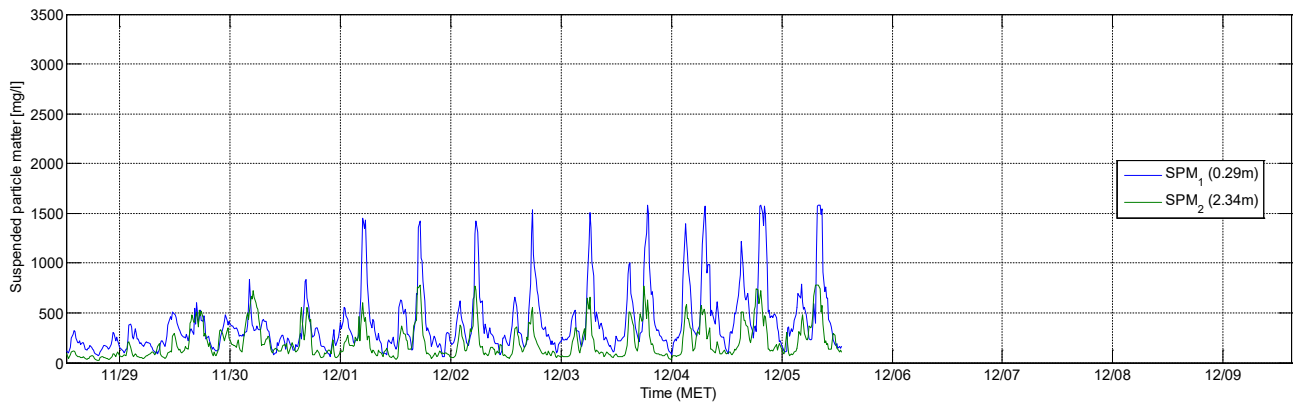


Figure 731 - Tripod deployment MOW1 (OBS): November - December 2013, Depth [m]

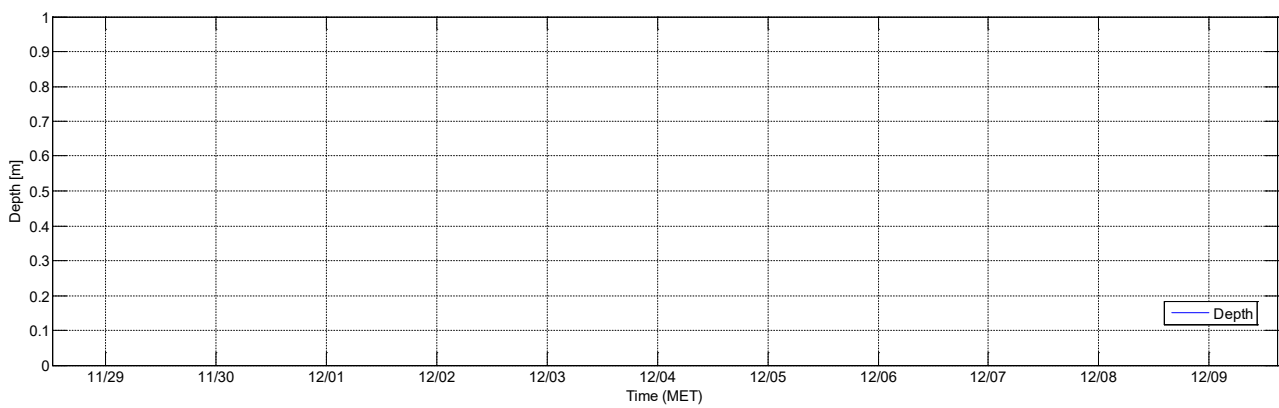
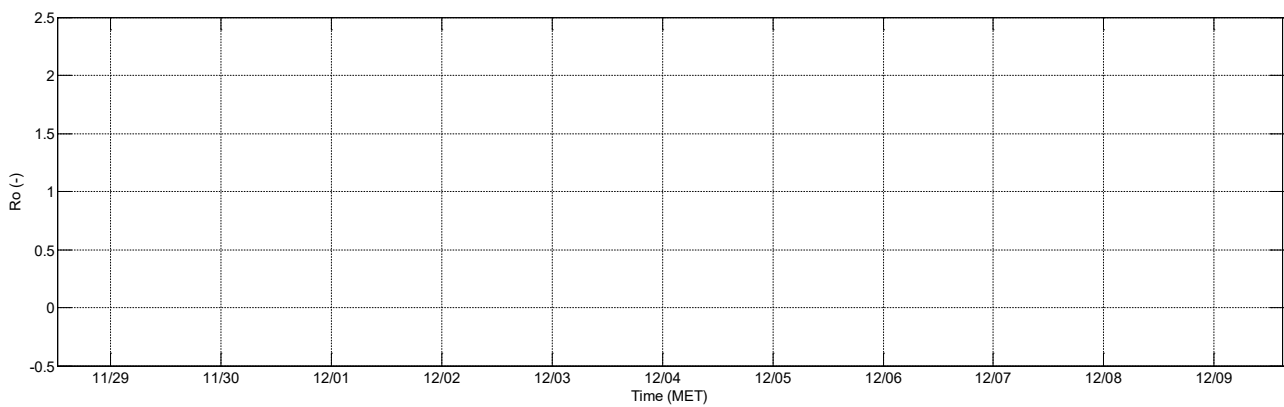


Figure 732 - Tripod deployment MOW1 (OBS): November - December 2013, Ro [-]



F.3 OD Nature Tripod deployment WZbuoy – OBS

F.3.1 Tripod deployment WZbuoy (OBS): March - April 2013

Figure 733 - Tripod deployment WZbuoy (OBS): March - April 2013, SPM [mg/l]

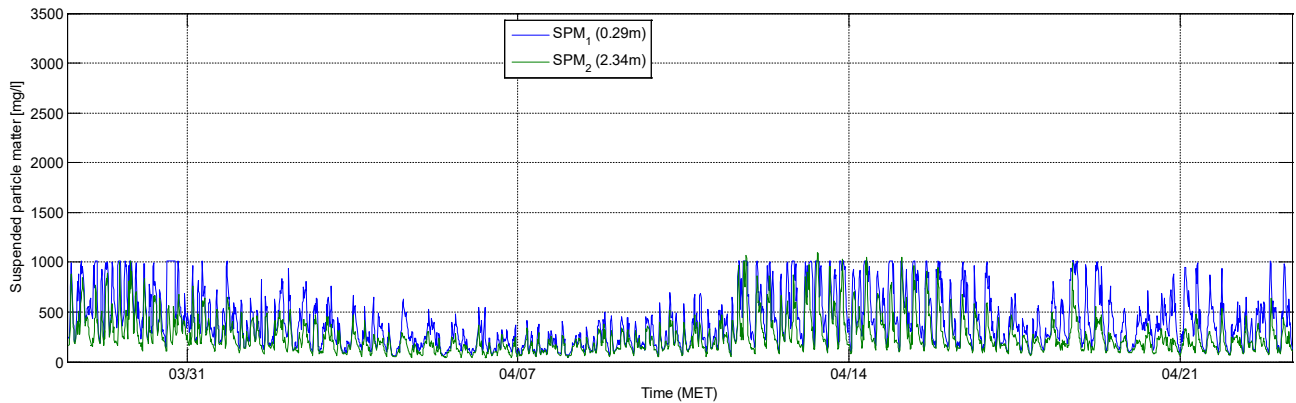


Figure 734 - Tripod deployment WZbuoy (OBS): March - April 2013, Depth [m]

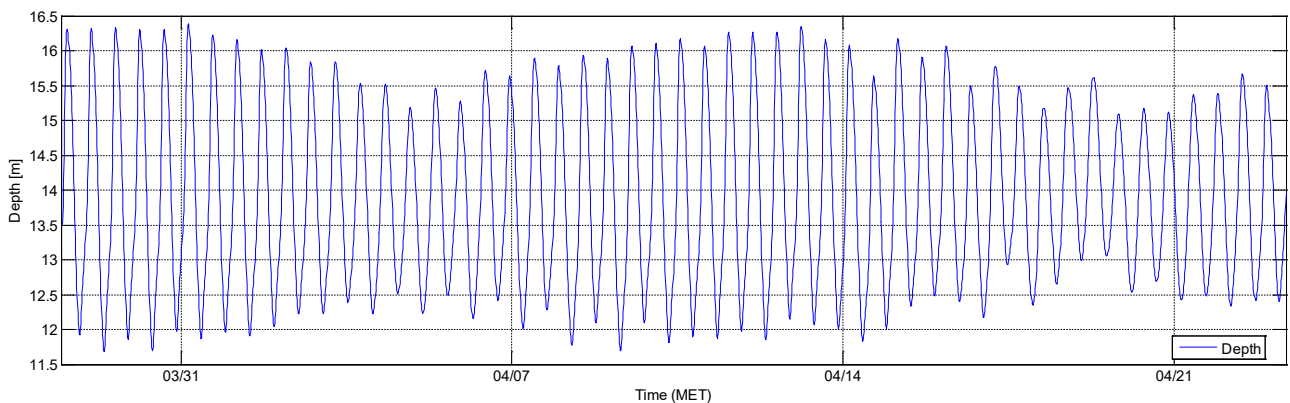


Figure 735 - Tripod deployment WZbuoy (OBS): March - April 2013, Ro [-]

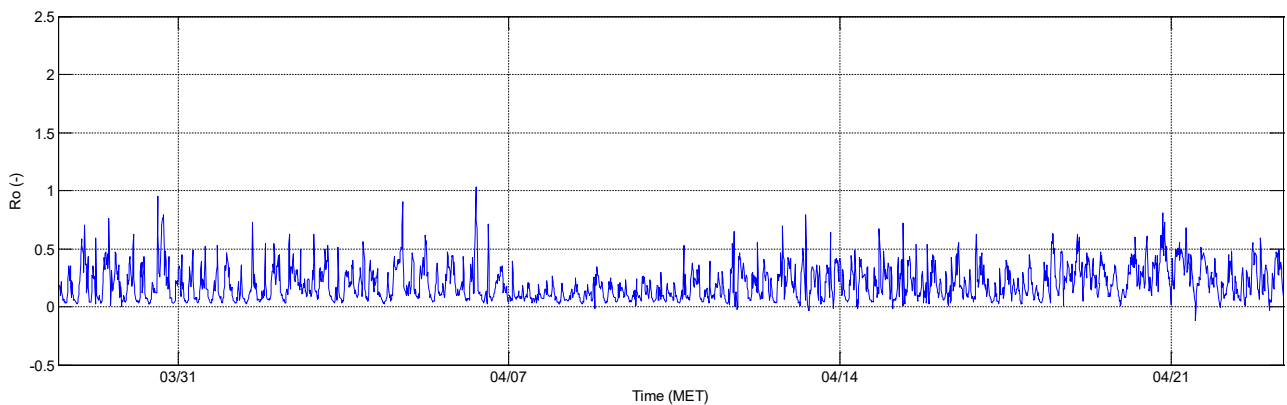
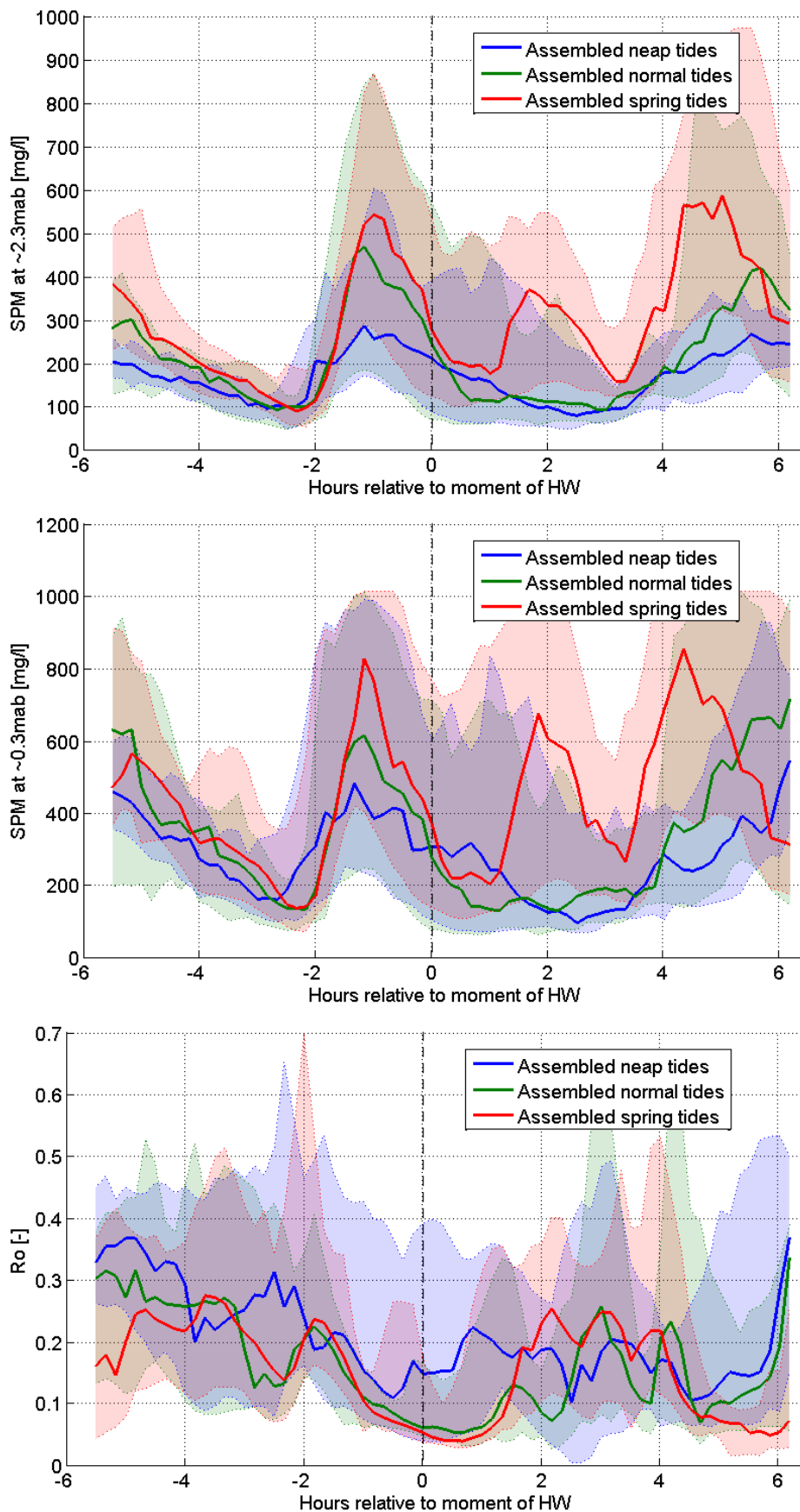


Figure 736 - Tripod deployment WZbuoy (OBS): 28/03/2013 - 23/04/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.2 Tripod deployment WZbuoy (OBS): April - May 2013

Figure 737 - Tripod deployment WZbuoy (OBS): April - May 2013, SPM [mg/l]

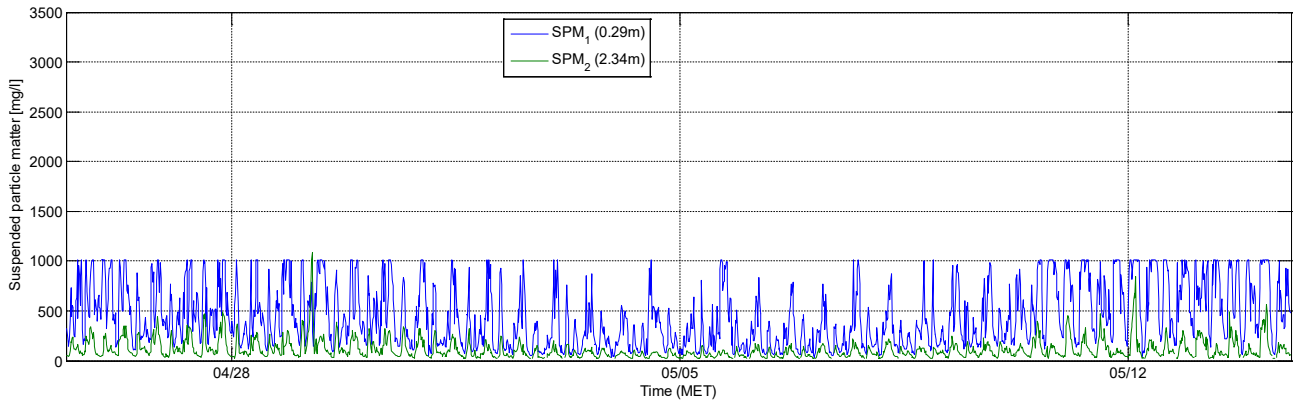


Figure 738 - Tripod deployment WZbuoy (OBS): April - May 2013, Depth [m]

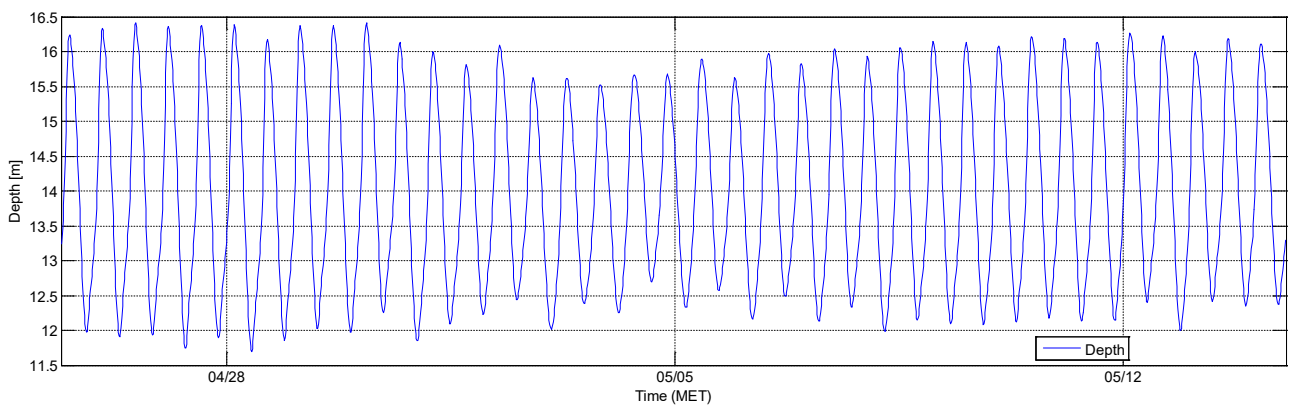


Figure 739 - Tripod deployment WZbuoy (OBS): April - May 2013, Ro [-]

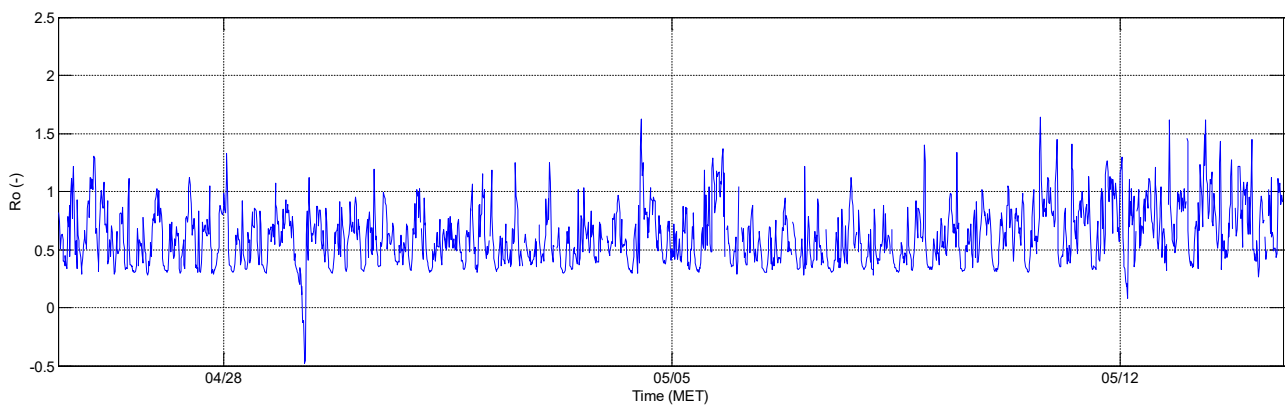
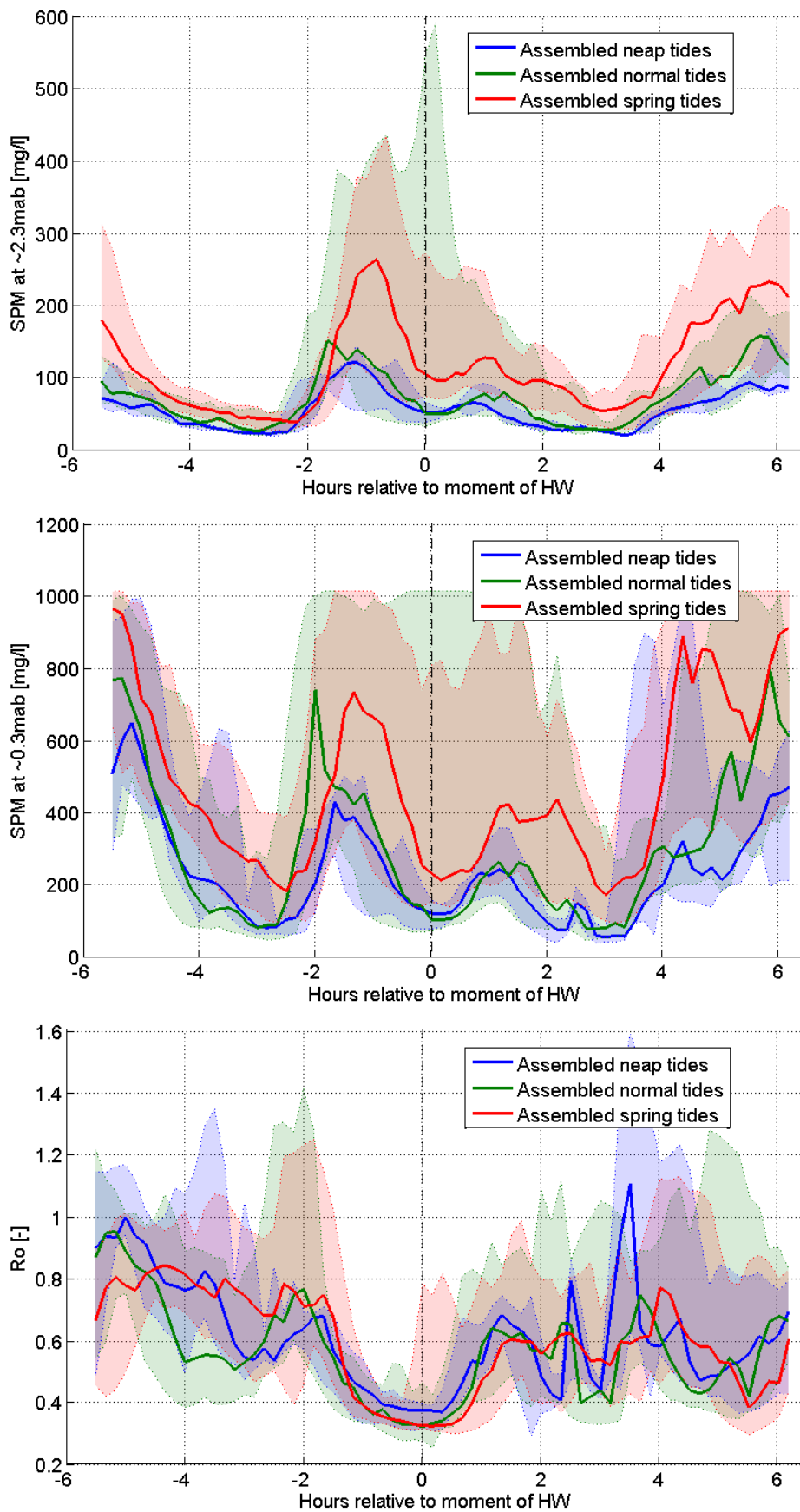


Figure 740 - Tripod deployment WZbuoy (OBS): 25/04/2013 - 14/05/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.3 Tripod deployment WZbuoy (OBS): June 2013

Figure 741 - Tripod deployment WZbuoy (OBS): June 2013, SPM [mg/l]

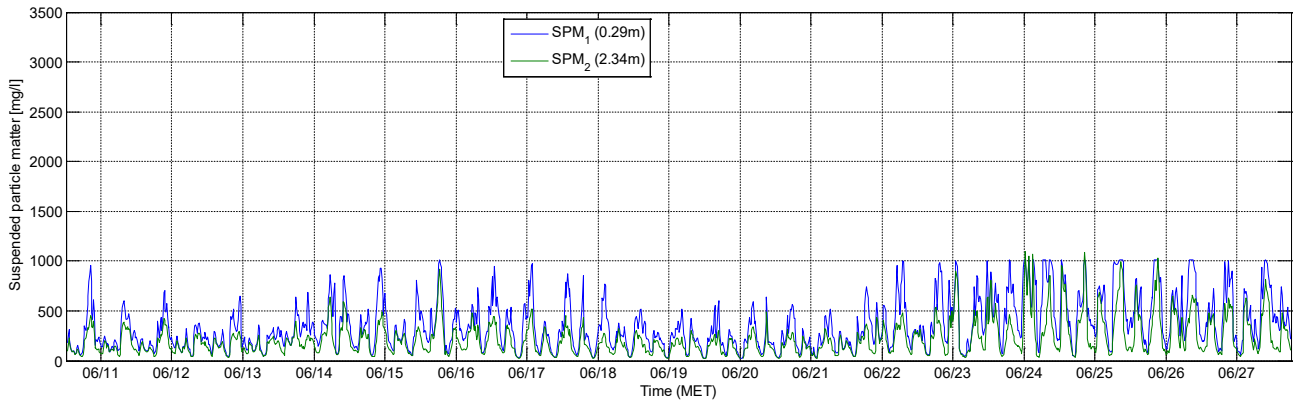


Figure 742 - Tripod deployment WZbuoy (OBS): June 2013, Depth [m]

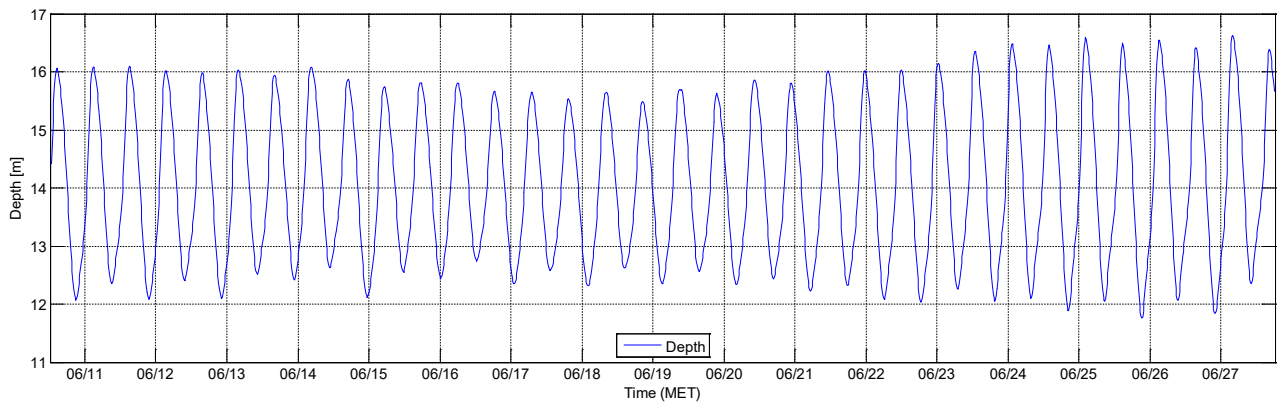


Figure 743 - Tripod deployment WZbuoy (OBS): June 2013, Ro [-]

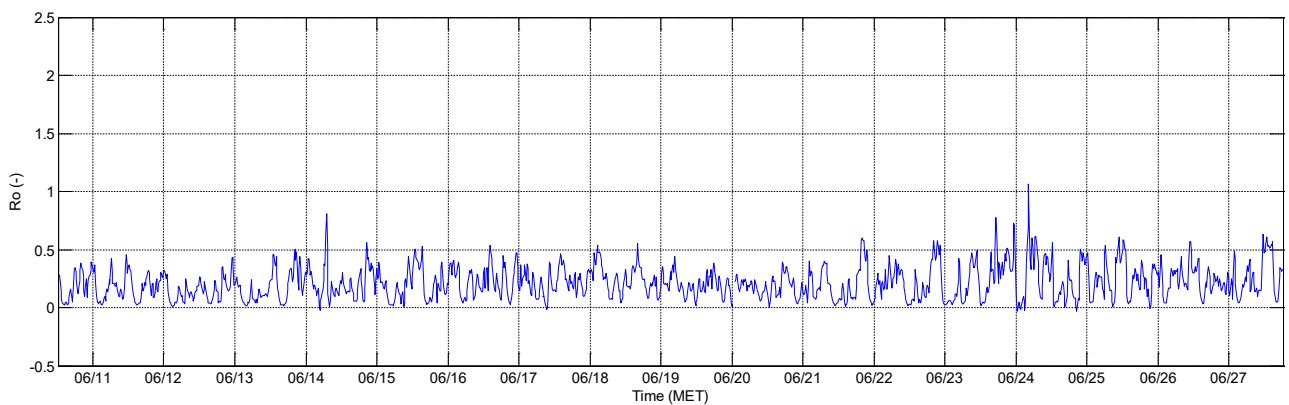
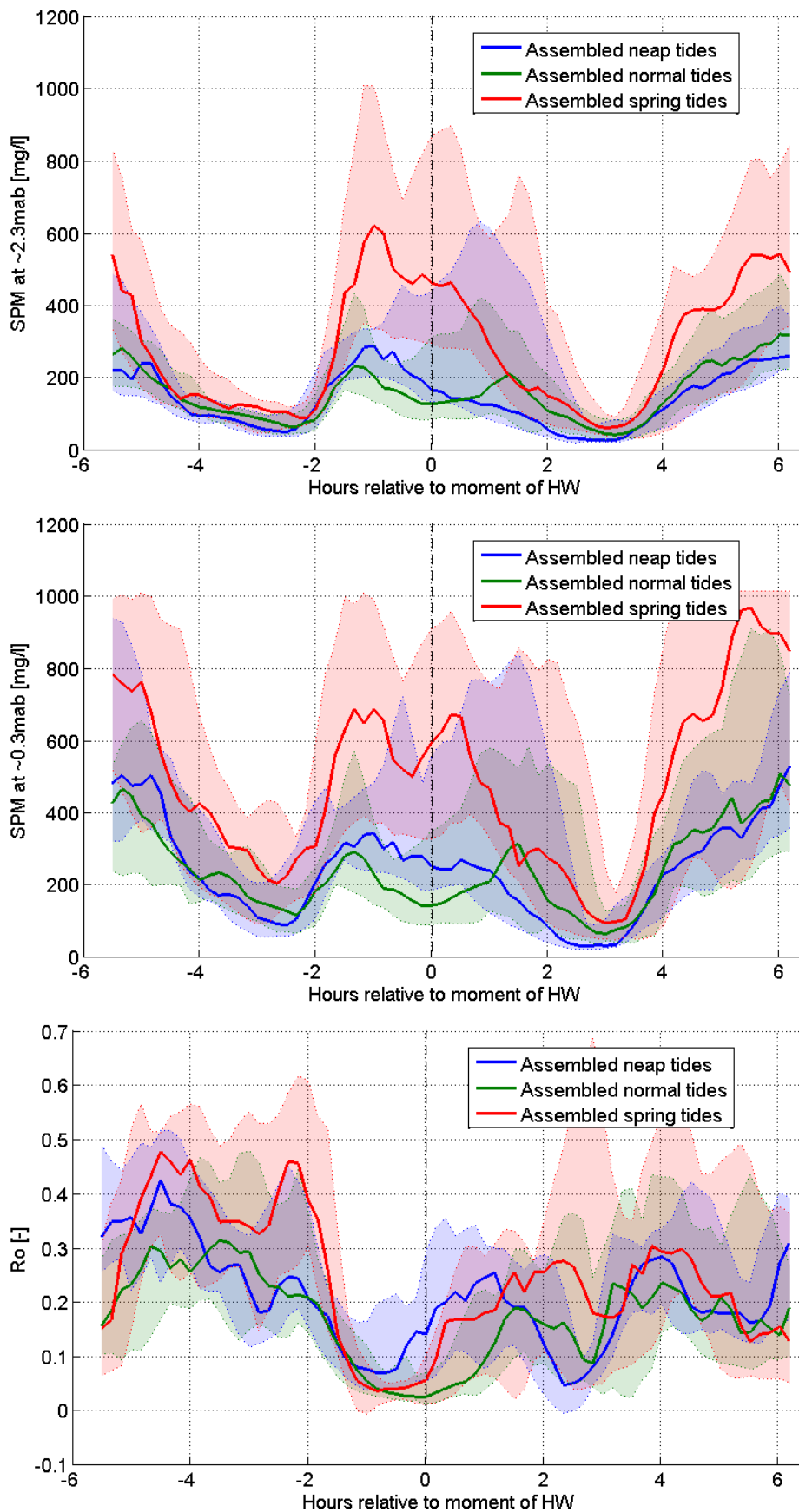


Figure 744 - Tripod deployment WZbuoy (OBS): 10/06/2013 - 27/06/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.4 Tripod deployment WZbuoy (OBS): June - July 2013

Figure 745 - Tripod deployment WZbuoy (OBS): June - July 2013, SPM [mg/l]

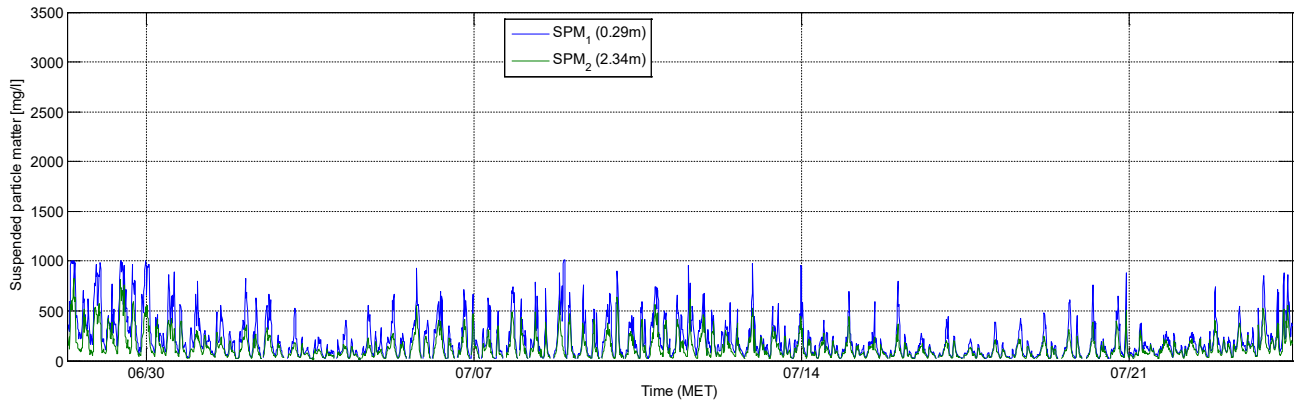


Figure 746 - Tripod deployment WZbuoy (OBS): June - July 2013, Depth [m]

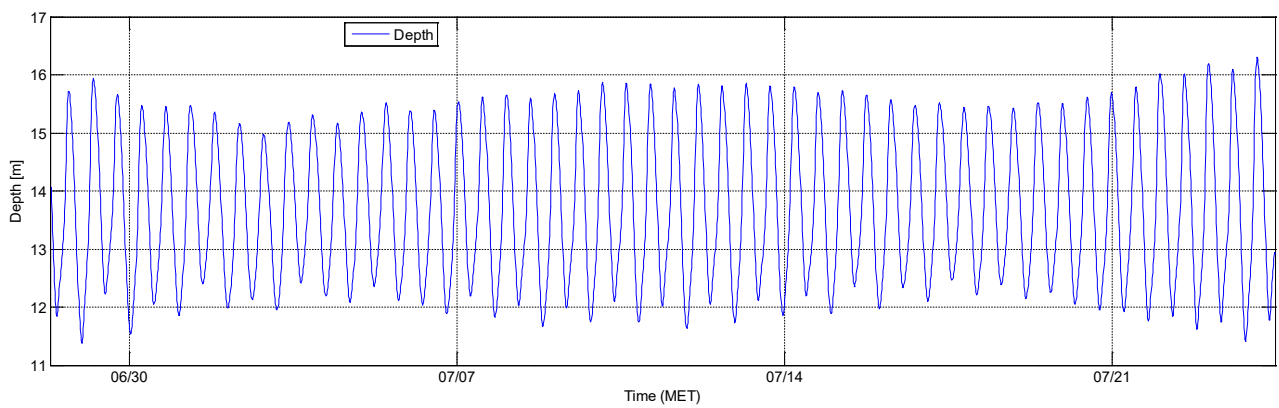


Figure 747 - Tripod deployment WZbuoy (OBS): June - July 2013, Ro [-]

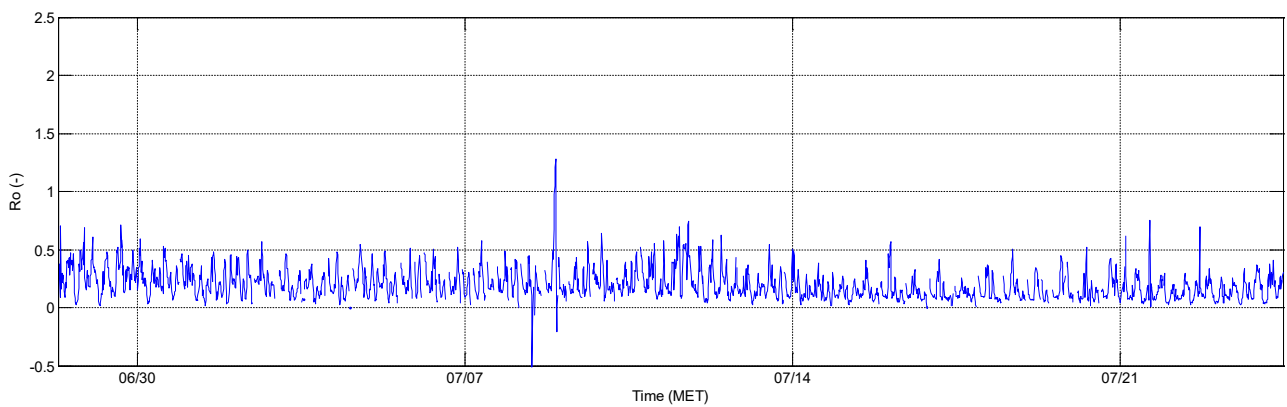
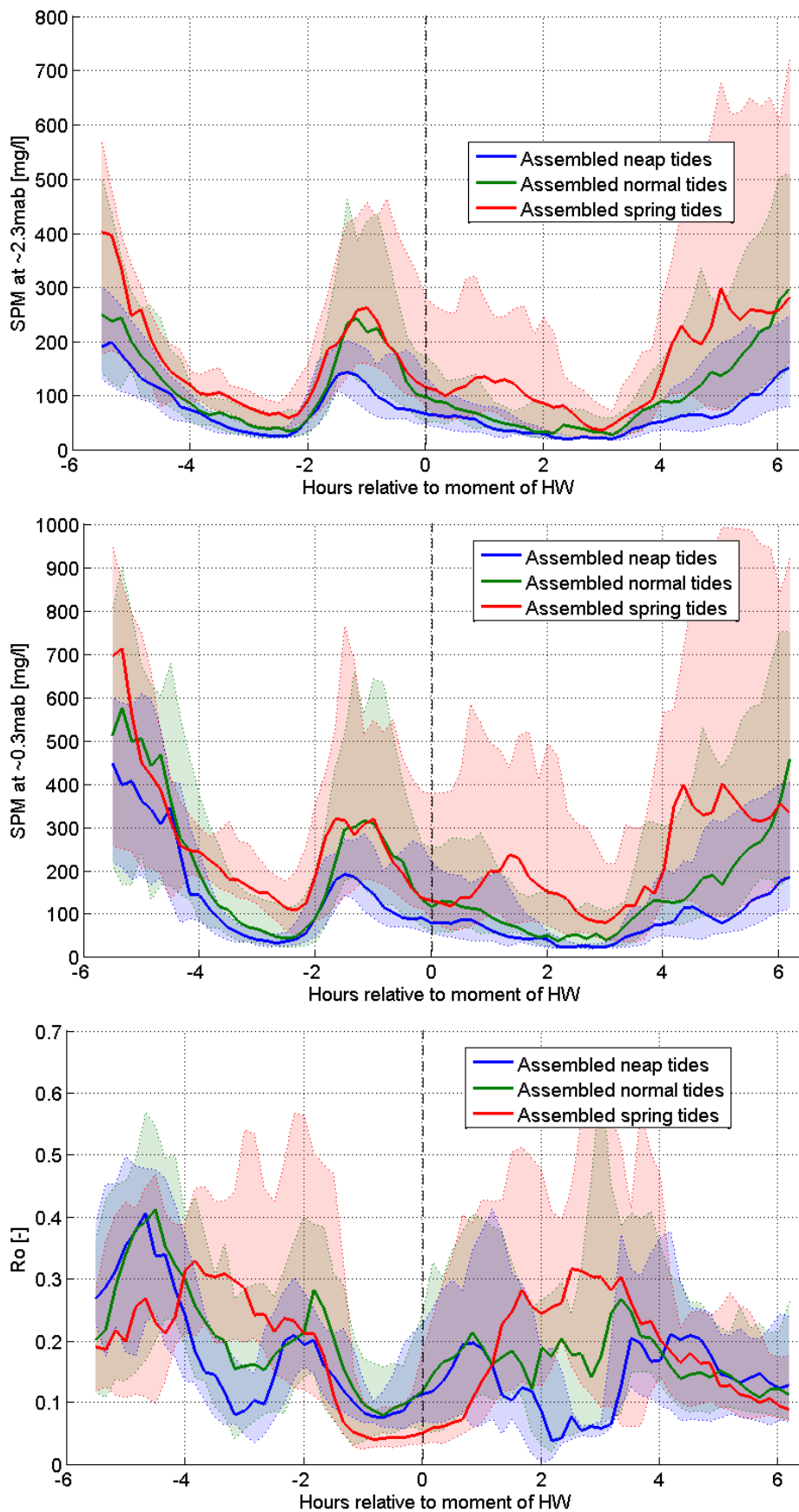


Figure 748 - Tripod deployment WZbuoy (OBS): 28/06/2013 - 24/07/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.5 Tripod deployment WZbuoy (OBS): July - August 2013

Figure 749 - Tripod deployment WZbuoy (OBS): July - August 2013, SPM [mg/l]

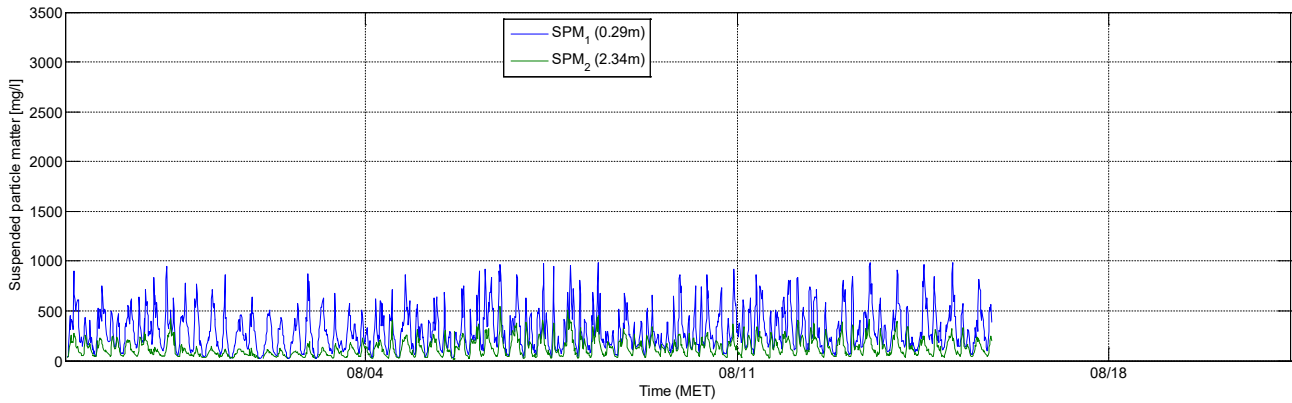


Figure 750 - Tripod deployment WZbuoy (OBS): July - August 2013, Depth [m]

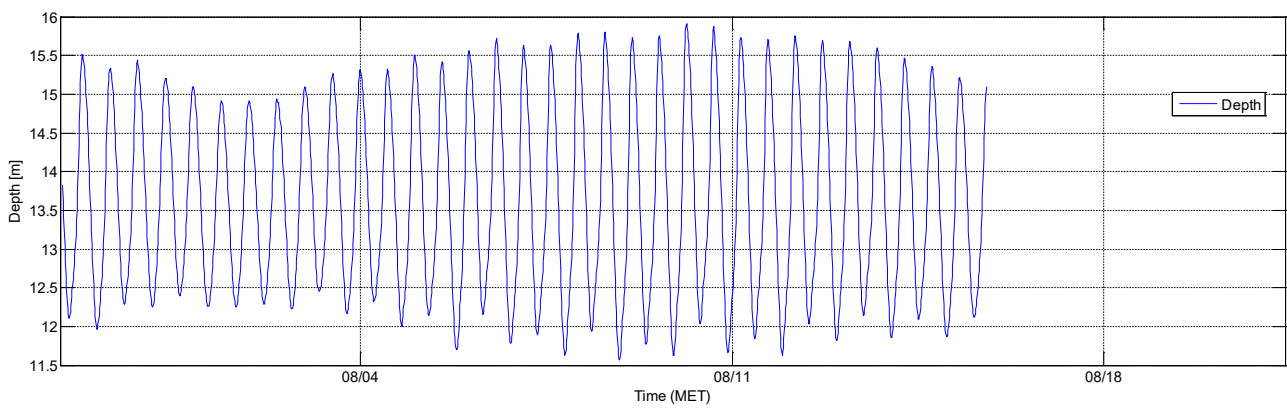


Figure 751 - Tripod deployment WZbuoy (OBS): July - August 2013, Ro [-]

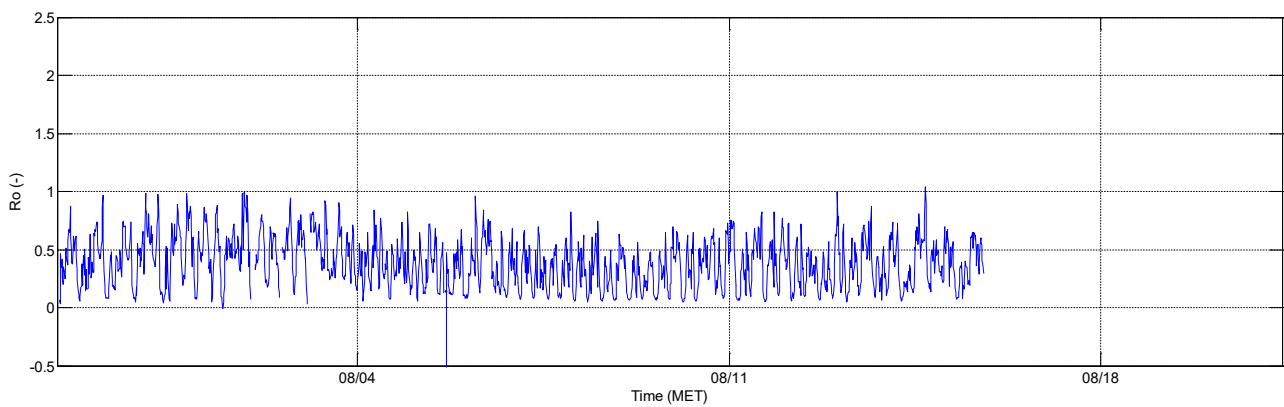
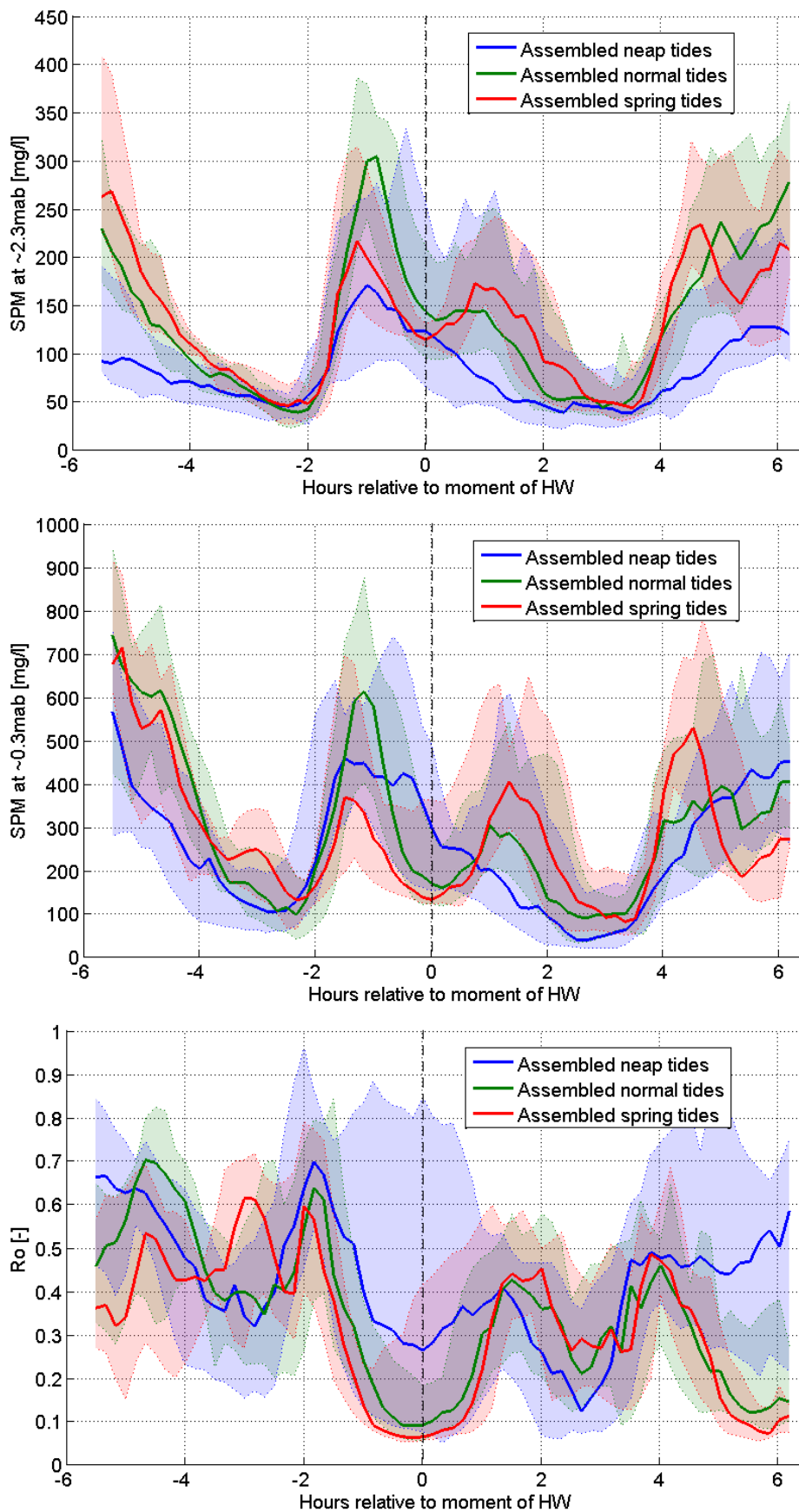


Figure 752 - Tripod deployment WZbuoy (OBS): 29/07/2013 - 21/08/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.6 Tripod deployment WZbuoy (OBS): August - September 2013

Figure 753 - Tripod deployment WZbuoy (OBS): August - September 2013, SPM [mg/l]

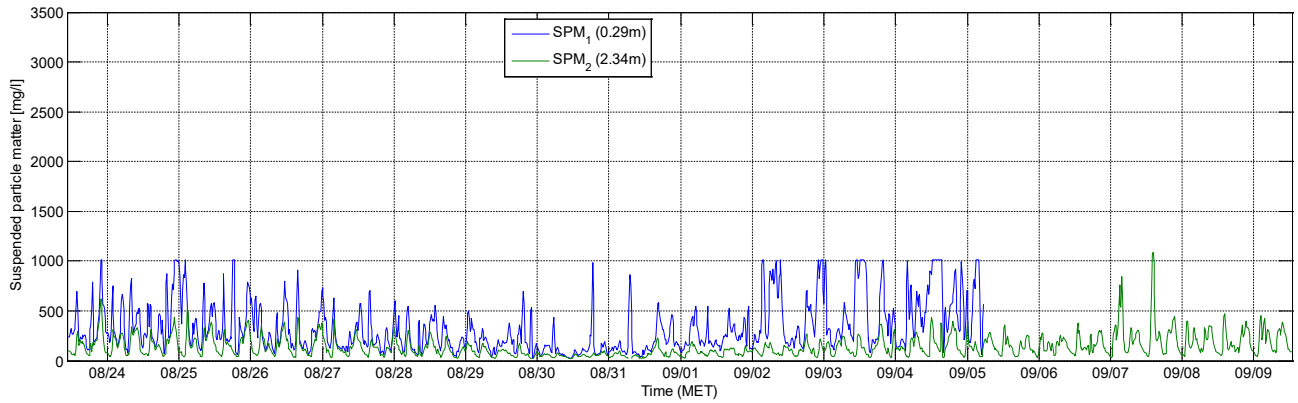


Figure 754 - Tripod deployment WZbuoy (OBS): August - September 2013, Depth [m]

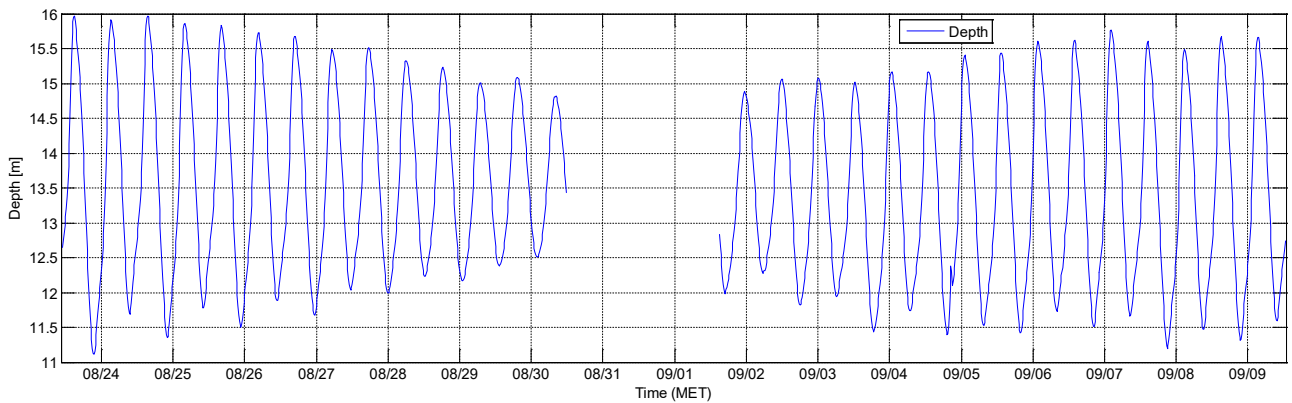


Figure 755 - Tripod deployment WZbuoy (OBS): August - September 2013, Ro [-]

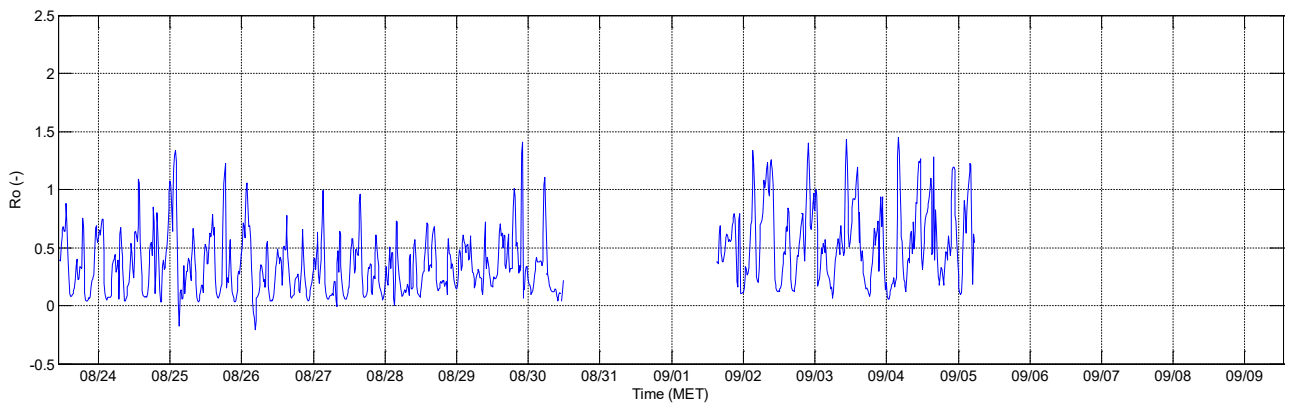
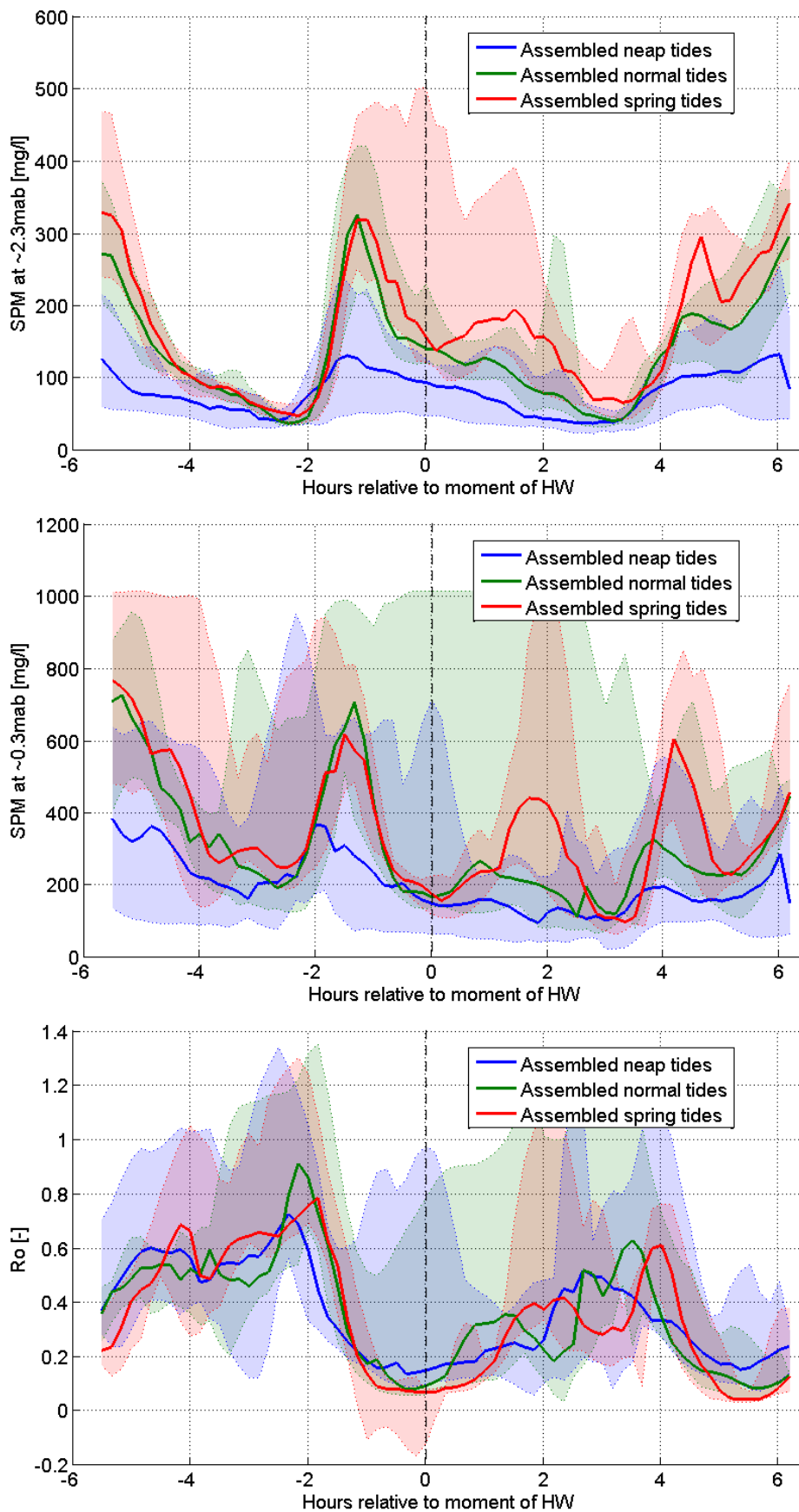


Figure 756 - Tripod deployment WZbuoy (OBS): 23/08/2013 - 09/09/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.7 Tripod deployment WZbuoy (OBS): September - October 2013

Figure 757 - Tripod deployment WZbuoy (OBS): September - October 2013, SPM [mg/l]

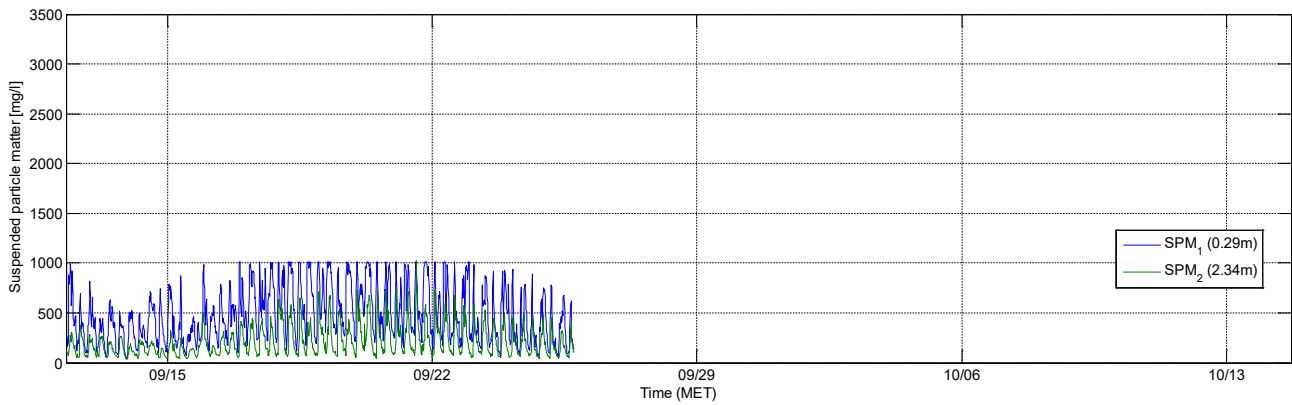


Figure 758 - Tripod deployment WZbuoy (OBS): September - October 2013, Depth [m]

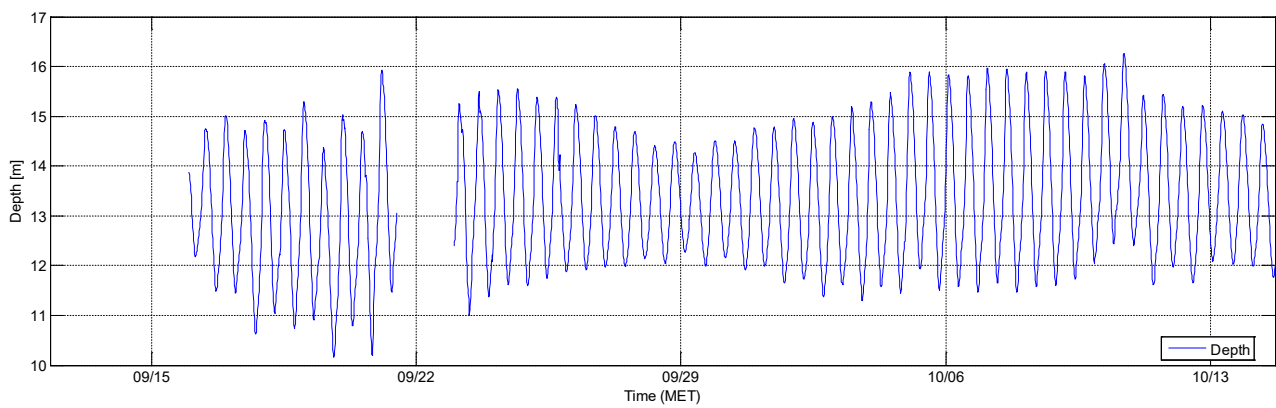


Figure 759 - Tripod deployment WZbuoy (OBS): September - October 2013, Ro [-]

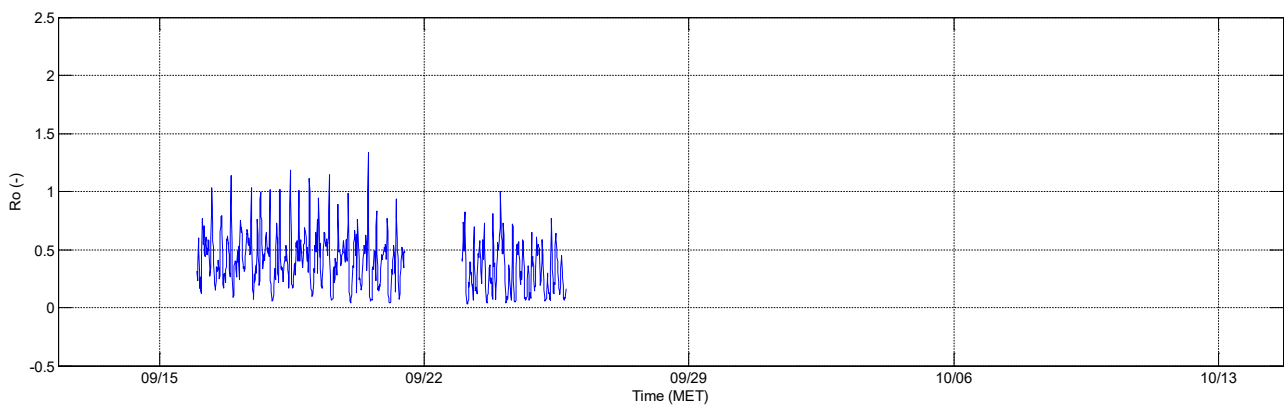
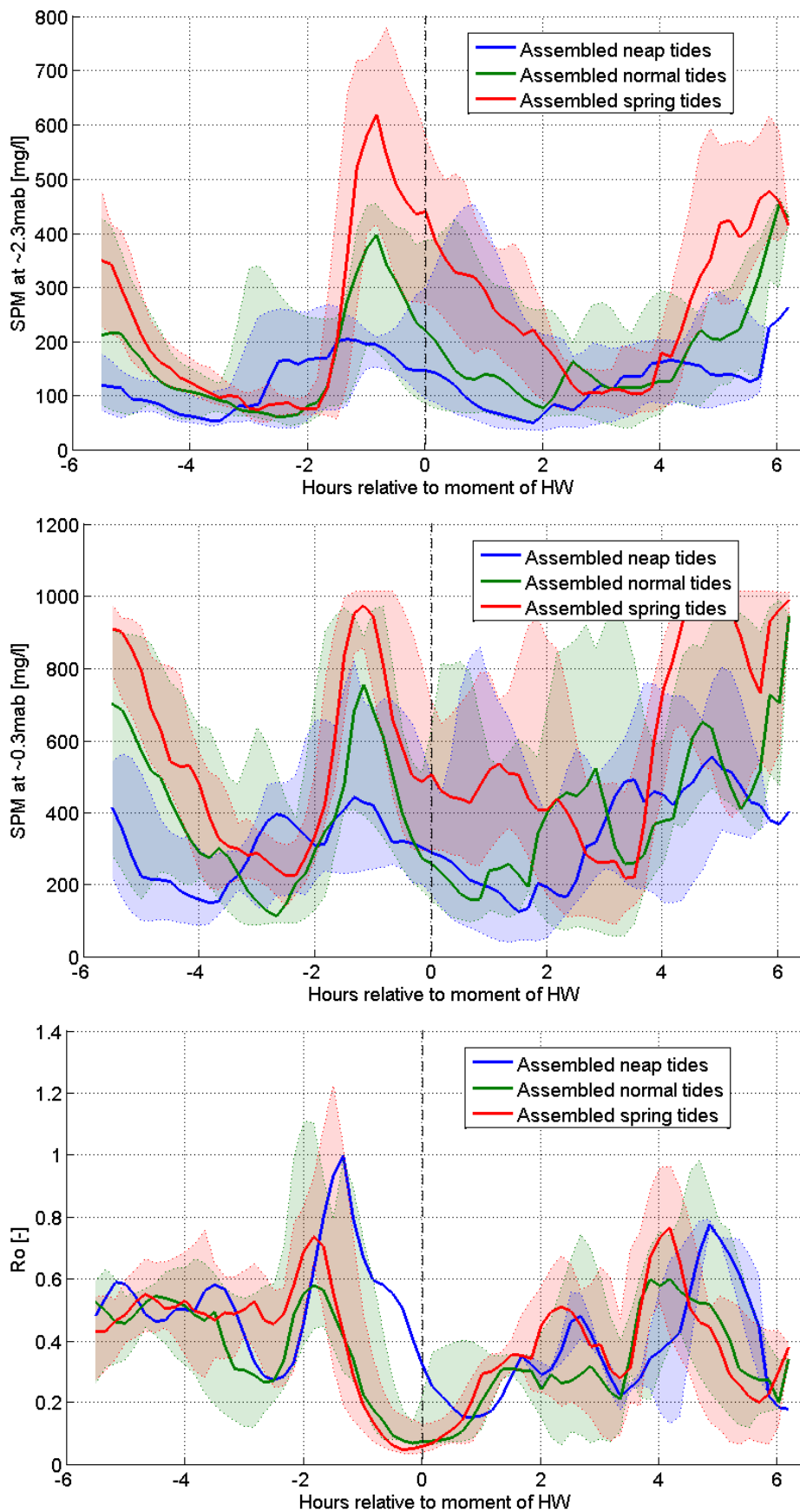


Figure 760 - Tripod deployment WZbuoy (OBS): 12/09/2013 - 14/10/2013 - Median and 10-90th percentile band of the assembled SPM at 2.3mab (top), SPM at 0.29mab (middle), Ro (bottom)



F.3.8 Tripod deployment WZbuoy (OBS): October - November 2013

Figure 761 - Tripod deployment WZbuoy (OBS): October - November 2013, SPM [mg/l]

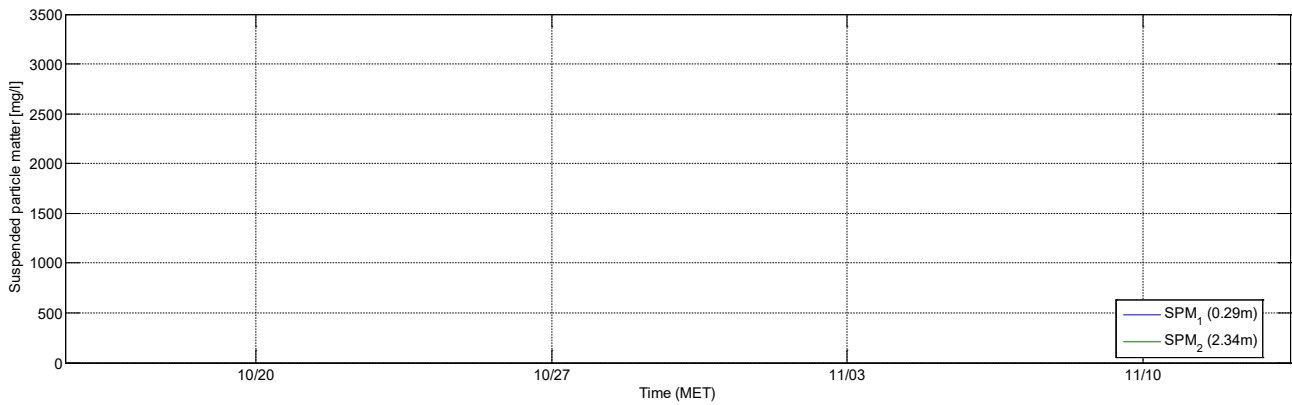


Figure 762 - Tripod deployment WZbuoy (OBS): October - November 2013, Depth [m]

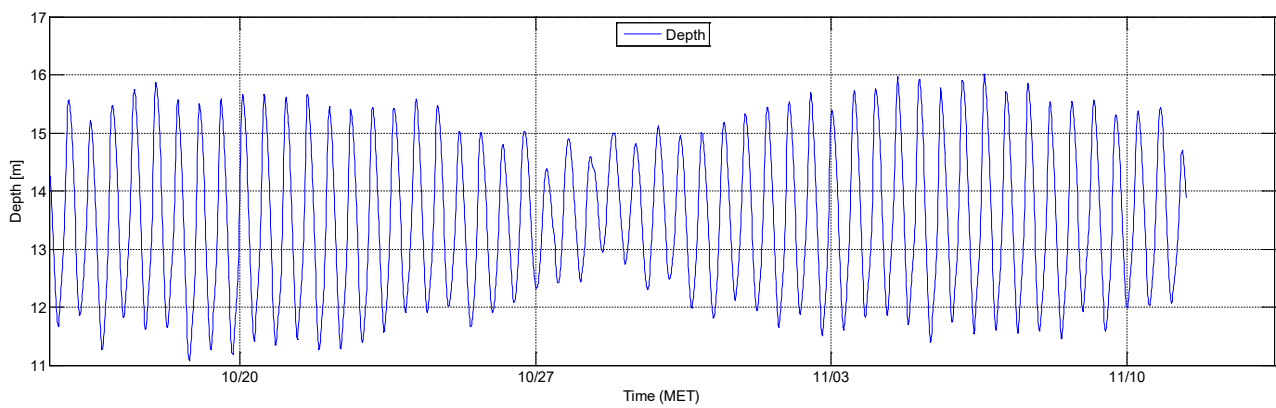
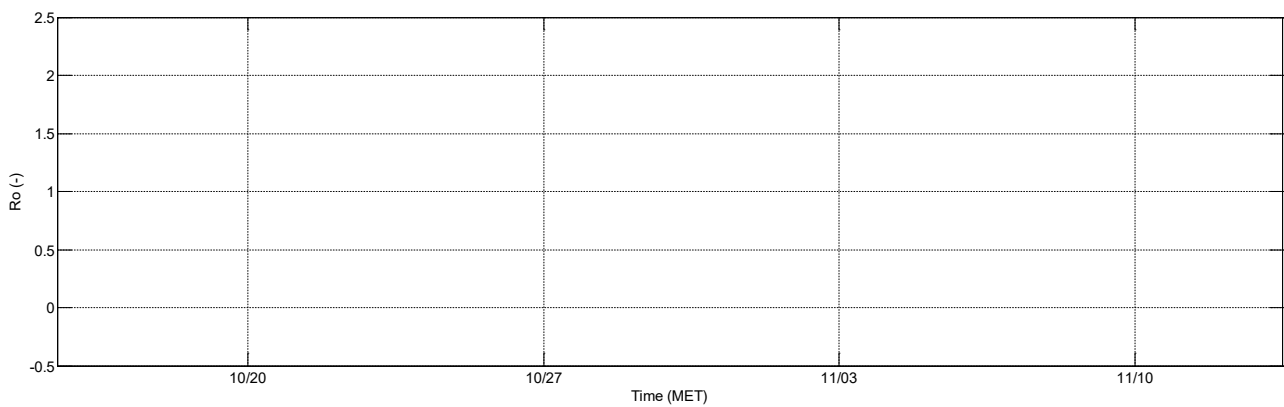


Figure 763 - Tripod deployment WZbuoy (OBS): October - November 2013, Ro [-]



F.3.9 Tripod deployment WZbuoy (OBS): November 2013

Figure 764 - Tripod deployment WZbuoy (OBS): November 2013, SPM [mg/l]

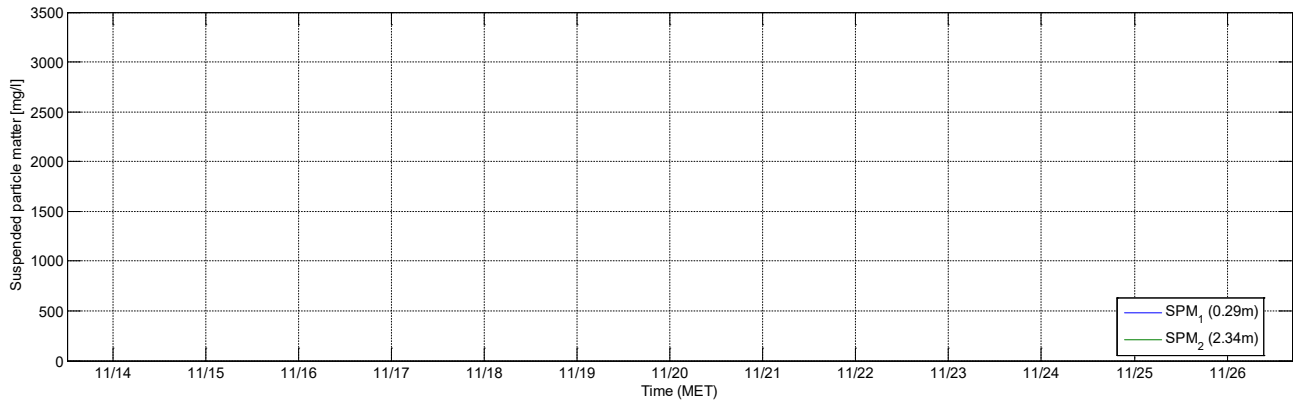


Figure 765 - Tripod deployment WZbuoy (OBS): November 2013, Depth [m]

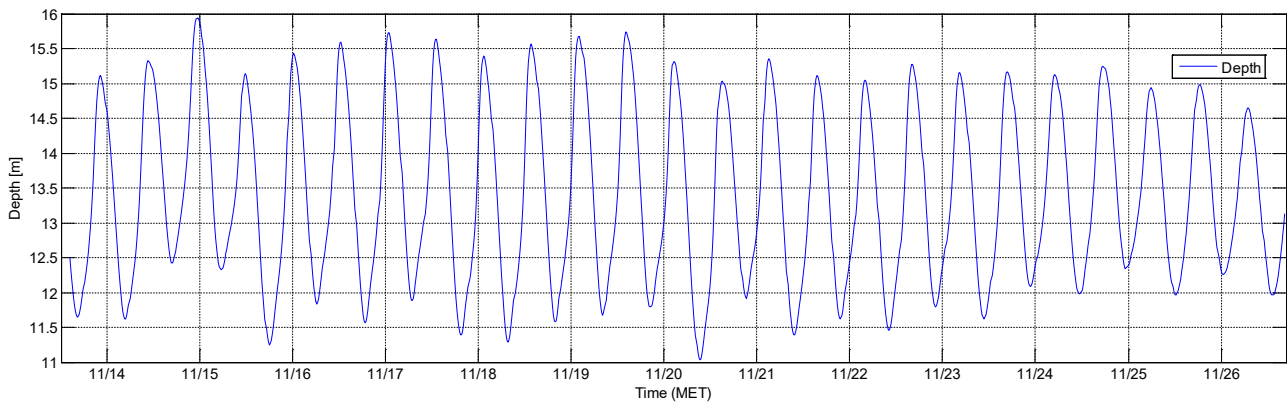
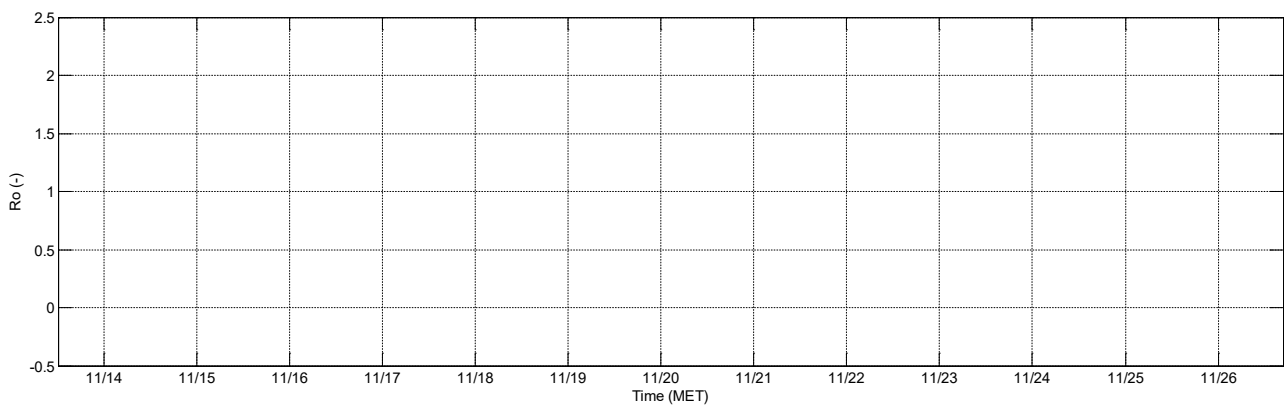


Figure 766 - Tripod deployment WZbuoy (OBS): November 2013, Ro [-]



F.3.10 Tripod deployment WZbuoy (OBS): November - December 2013

Figure 767 - Tripod deployment WZbuoy (OBS): November - December 2013, SPM [mg/l]

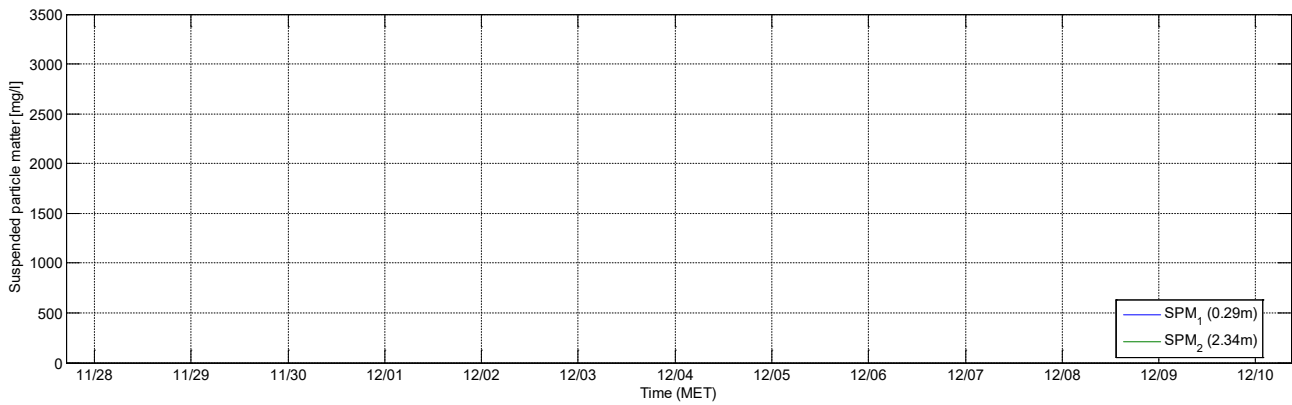


Figure 768 - Tripod deployment WZbuoy (OBS): November - December 2013, Depth [m]

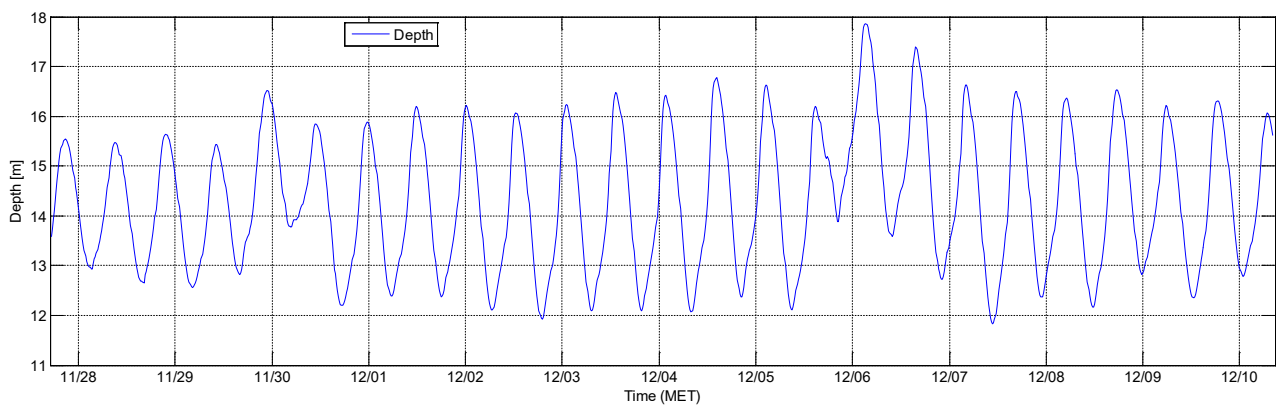
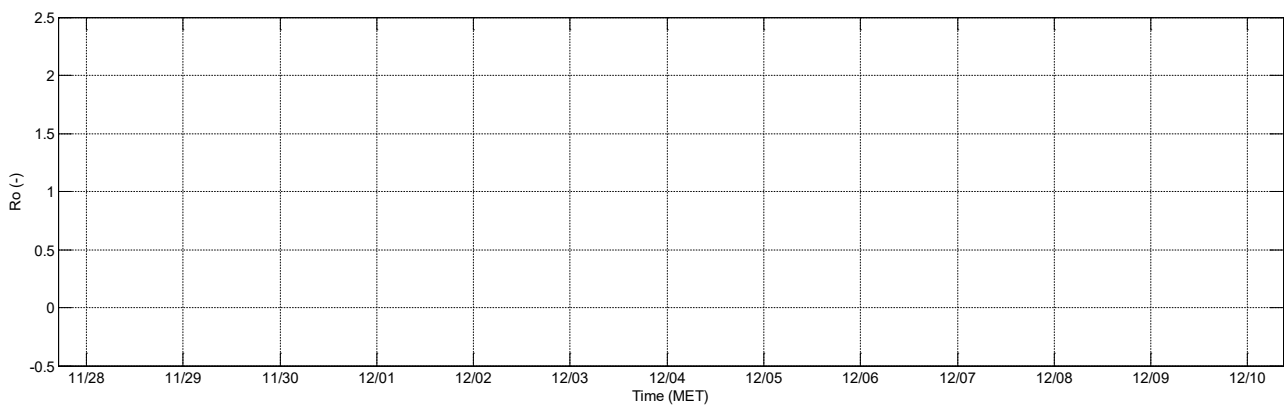


Figure 769 - Tripod deployment WZbuoy (OBS): November - December 2013, Ro [-]



F.4 OD Nature Tripod deployment Blighbank – OBS

The Tripod deployments at the locations Blighbank and Gootebank were carried out by OD Nature for BELWIND. This data is confidential and cannot be used nor distributed without the permission of OD Nature.

F.4.1 Tripod deployment Blighbank (OBS): June - July 2009

Figure 770 - Tripod deployment Blighbank (OBS): June - July 2009, SPM [mg/l]

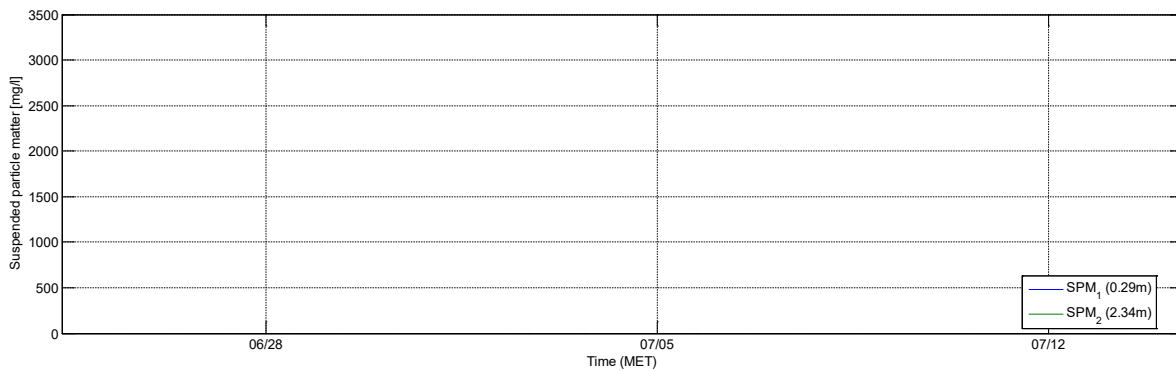


Figure 771 - Tripod deployment Blighbank (OBS): June - July 2009, Pressure [dbar]

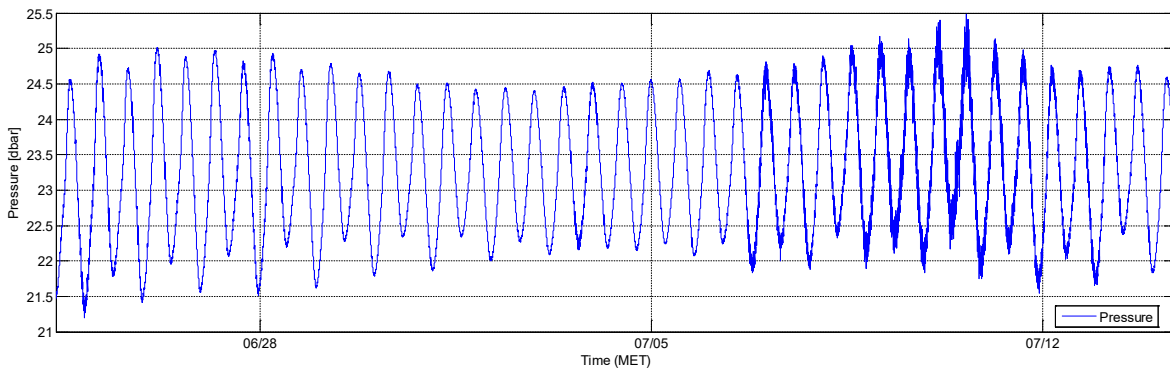
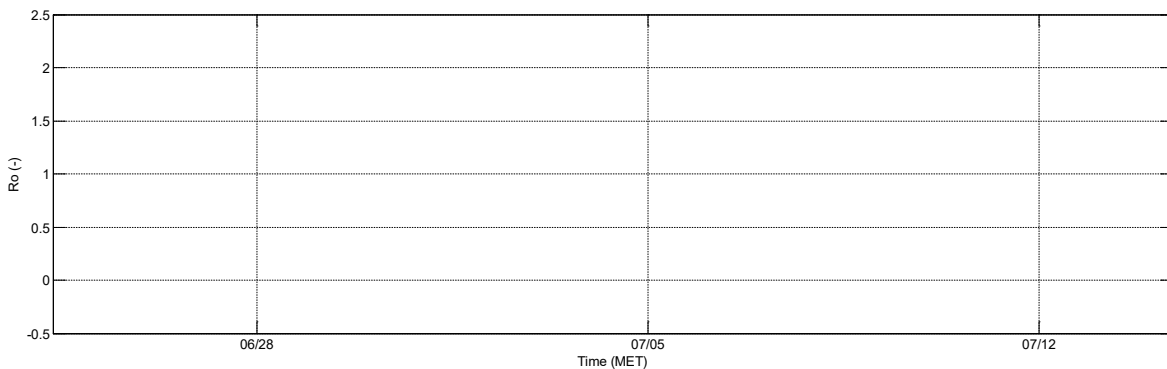


Figure 772 - Tripod deployment Blighbank (OBS): June - July 2009, Ro [-]



F.4.2 Tripod deployment Blighbank (OBS): May - June 2010

Figure 773 - Tripod deployment Blighbank (OBS): May - June 2010, SPM [mg/l]

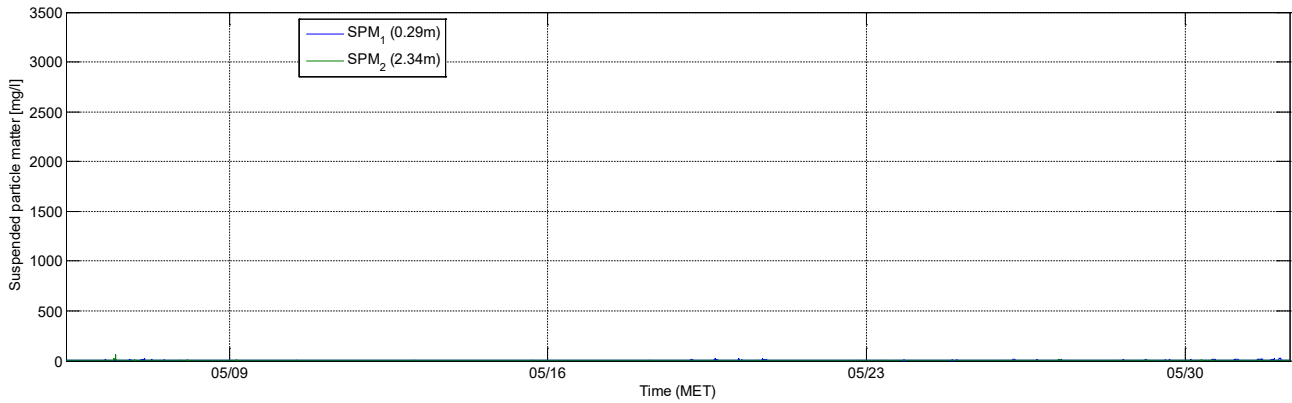


Figure 774 - Tripod deployment Blighbank (OBS): May - June 2010, Pressure [dbar]

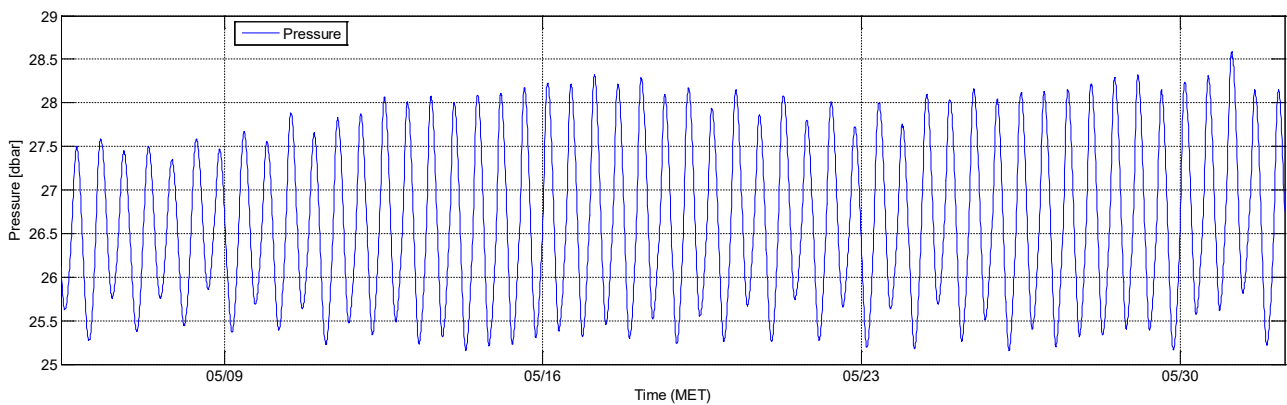
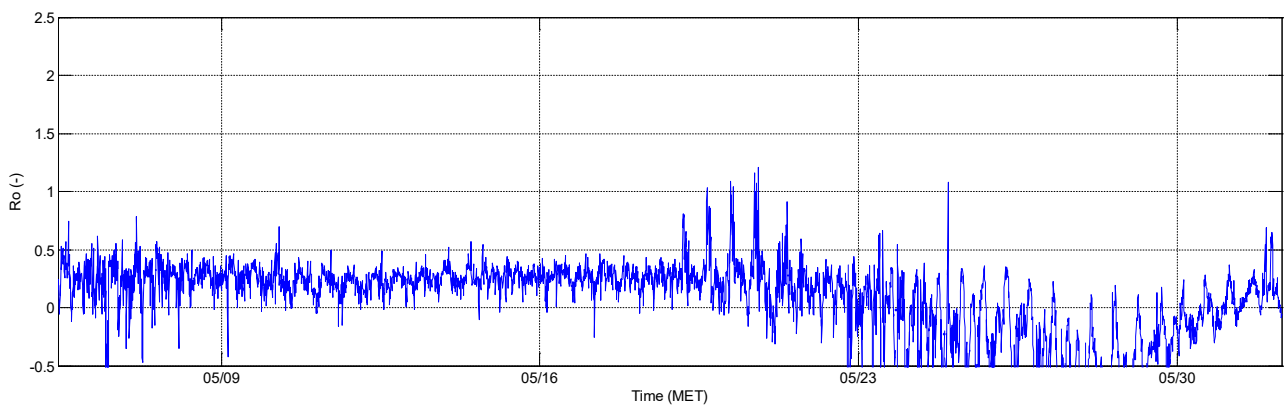


Figure 775 - Tripod deployment Blighbank (OBS): May - June 2010, Ro [-]



F.5 OD Nature Tripod deployment Gootebank – OBS

The Tripod deployments at the locations Blighbank and Gootebank were carried out by OD Nature for BELWIND. This data is confidential and cannot be used nor distributed without the permission of OD Nature.

F.5.1 Tripod deployment Gootebank (OBS): June - July 2009

Figure 776 - Tripod deployment Gootebank (OBS): June - July 2009, SPM [mg/l]

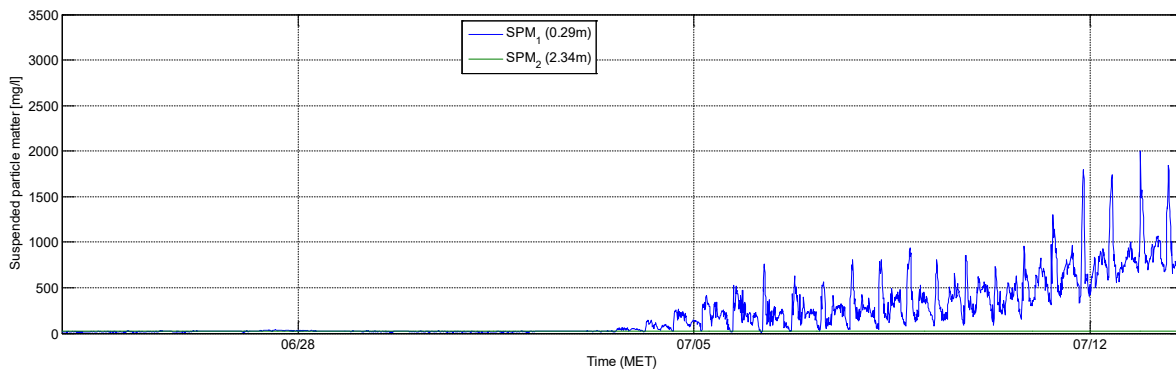


Figure 777 - Tripod deployment Gootebank (OBS): June - July 2009, Pressure [dbar]

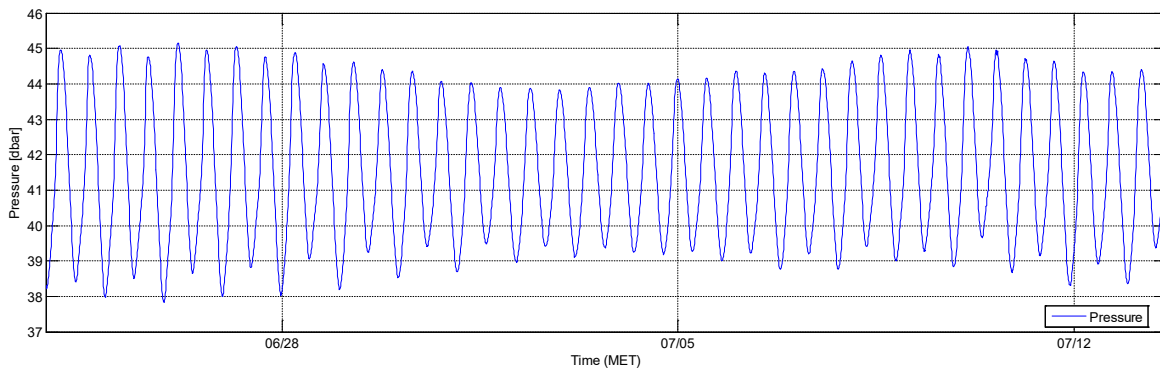
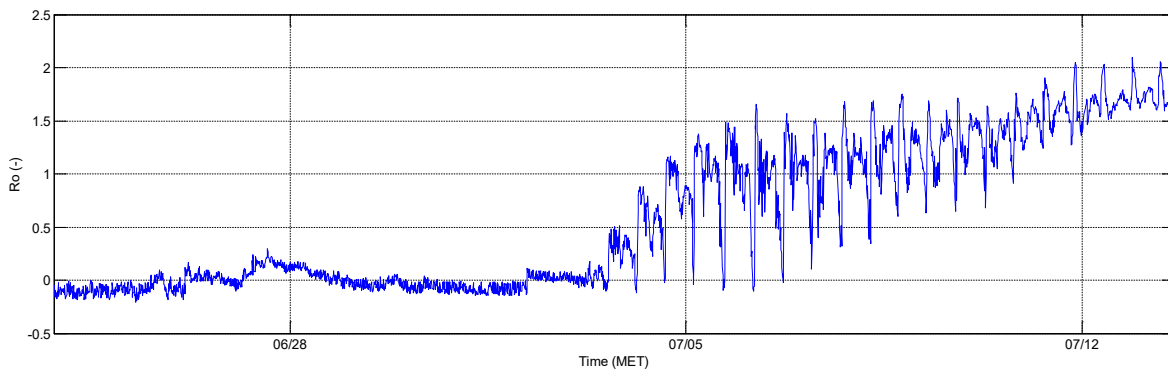


Figure 778 - Tripod deployment Gootebank (OBS): June - July 2009, Ro [-]



F.5.2 Tripod deployment Gootebank (OBS): October - December 2009

Figure 779 - Tripod deployment Gootebank (OBS): October - December 2009, SPM [mg/l]

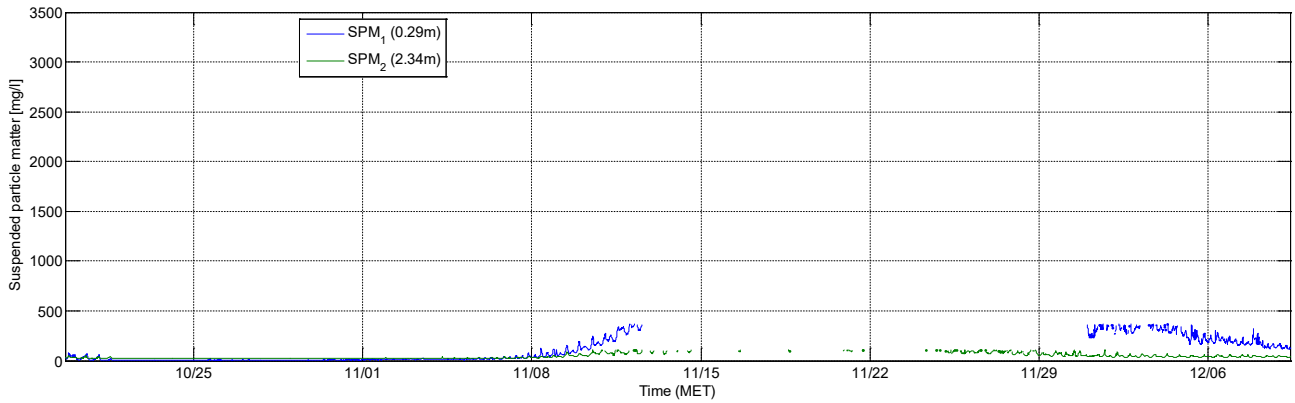


Figure 780 - Tripod deployment Gootebank (OBS): October - December 2009, Pressure [dbar]

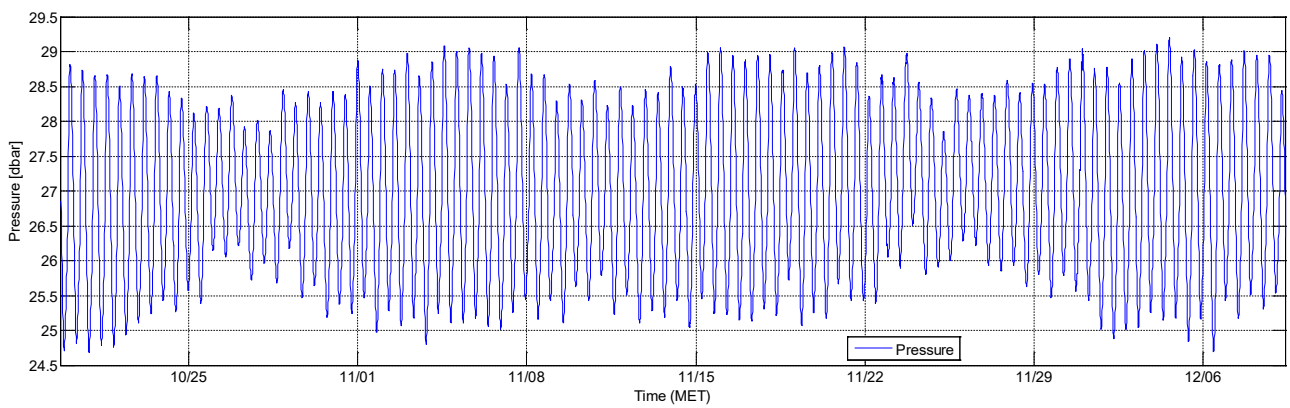
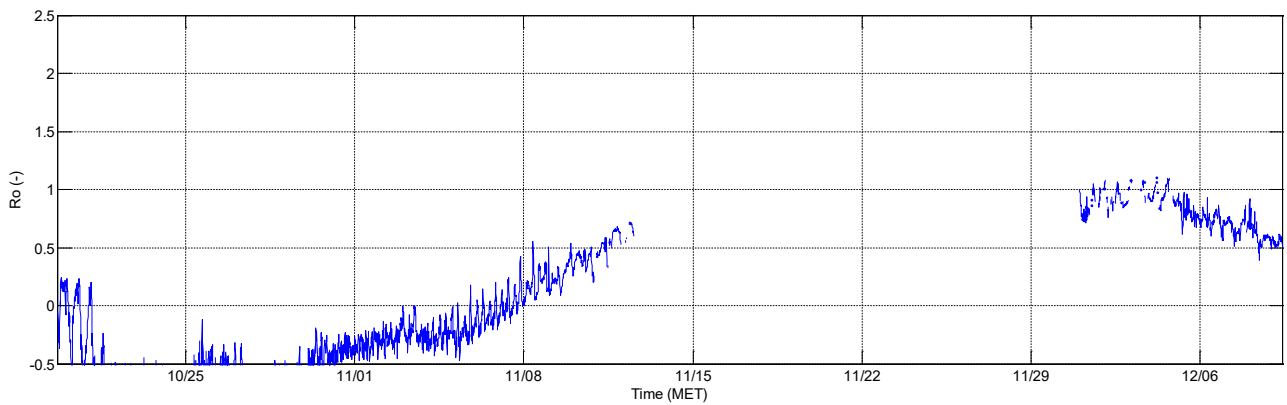


Figure 781 - Tripod deployment Gootebank (OBS): October - December 2009, Ro [-]



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